

Converting Colors

XYZ(78.0078, 91.7248, 85.0447)

Have a look what the booklet for
XYZ(78.0078, 91.7248, 85.0447)
contains.

XYZ(77.9659, 91.7080, 84.8263)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.9659, 91.7080,
84.8263)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FFE1
RGB	217, 255, 225
RGB Percent	85%, 100%, 88%
CMY	0.1490, 0.0000, 0.1176
CMYK	0.15, 0.00, 0.12, 0.00
HSL	133°, 100%, 93%
HSV	133°, 15%, 100%
XYZ	77.9659, 91.7080, 84.8263
YIQ	240.2180, -13.0180, -17.3860

Conversions

Conversions Part 2

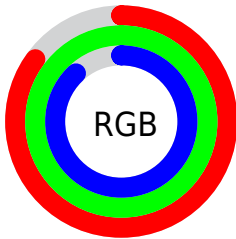
Format	Color
R_{YB}	217, 248, 255
Decimal	14286817
CIE _{Lab}	96.70, -17.73, 10.28
CIE _{LCh}	97, 20.496, 149.888
Yxy	91.7080, 0.3063, 0.3603
Android (android.graphics.Color)	4292476897 (0xFFD9FFE1)
YUV	240.2180, -7.5025, -20.3622
Hunter-Lab	95.7643, -22.2629, 14.5170

Details

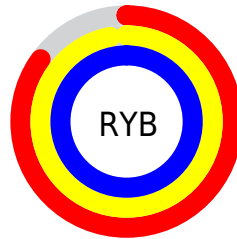
The XYZ color **77.9659, 91.7080, 84.8263** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82.8417, 77.6019, 98.6079**, and the grayscale version is **83.0589, 87.3845, 95.1617**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3501, 50.9718, 45.6367** is the 20% darker color. If you saturate the color by 10%, you get **68.3761, 87.0631, 70.8769**, and if you desaturate by 10%, it is **89.0521, 97.0868, 100.5388**.

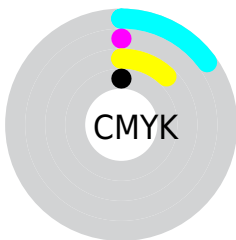
Distribution



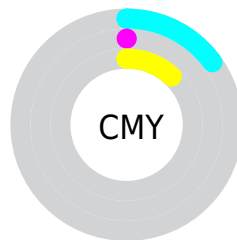
- Red (85%)
- Green (100%)
- Blue (88%)



- Red (85%)
- Yellow (97%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.9659, 91.7080, 84.8263 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.9659, 91.7080, 84.8263 by changing the saturation by 10% instead.


 77.9659, 91.7080,
84.8263

 77.9659, 91.7080,
84.8263


476.8926,
533.5714, 531.1827

 58.3487, 69.3981,
63.1485


129.4677,
149.7086, 142.0025

 42.3334, 51.0360,
45.5196


162.0829,
186.1682, 178.3380

 29.5547, 36.2373,
31.5210


199.7615,
228.1130, 220.3965

 19.6472, 24.6175,
20.7341

242.8688,
275.9277, 268.5965

 12.2456, 15.7923,
12.7404

291.7703,
329.9964, 323.3566

 6.9846, 9.3773,
7.1214

346.8311,

 3.4987, 4.9881,

390.7037, 385.0953

3.4586

408.4168,
458.4339, 454.2312

■ 1.4226, 2.2403,
1.3333

■ 0.2723, 0.7418,
0.0888

■ 77.9659, 91.7080,
84.8263

■ 77.9659, 91.7080,
84.8263

■ 68.3761, 87.0631,
70.8769

■ 89.0521, 97.0868,
100.5388

■ 60.2157, 83.1190,
58.6248

95.0500, 100.0000,
108.9000

■ 53.4159, 79.8415,
48.0064

■ 47.9011, 77.1932,
38.9523

■ 43.5882, 75.1328,
31.3885

■ 40.3841, 73.6139,
25.2345

■ 38.1815, 72.5831,
20.4023

■ 36.8501, 71.9752,
16.7938

■ 36.4186, 71.7834,
15.3879

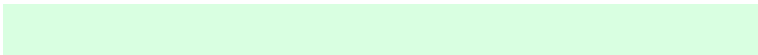
Harmonies

Analogous

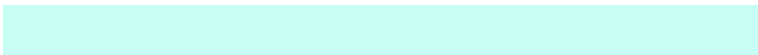
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7828, 91.7080, 74.8884



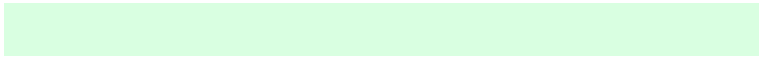
77.9659, 91.7080, 84.8263



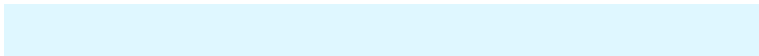
76.5918, 91.7080, 99.7925

Triad

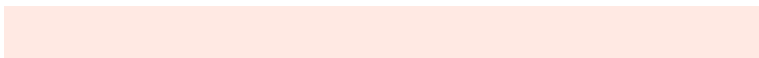
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9659, 91.7080, 84.8263



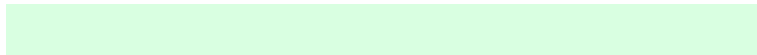
87.1441, 91.7080, 134.9015



97.0854, 91.7080, 84.9225

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77.9659, 91.7080, 84.8263



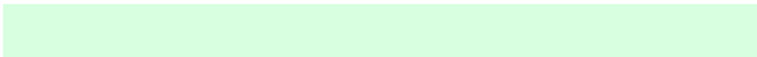
82.8417, 77.6019, 98.6079

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.6705, 91.7080, 99.9163



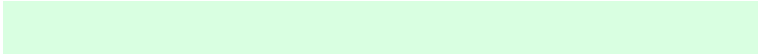
77.9659, 91.7080, 84.8263



92.7798, 91.7080, 129.8309

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.9659, 91.7080, 84.8263



81.7469, 91.7080, 129.7572



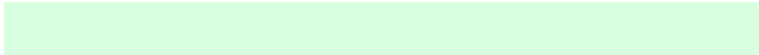
97.0622, 91.7080, 116.5603



92.8188, 91.7080, 74.9395

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



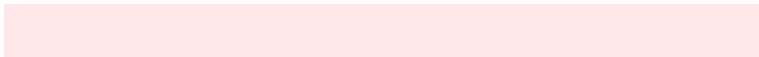
77.9659, 91.7080, 84.8263



77.1970, 91.7080, 110.9934



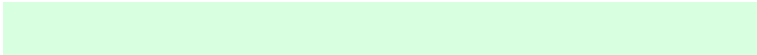
97.0622, 91.7080, 116.5603



97.9576, 91.7080, 89.4868

Sweetspot

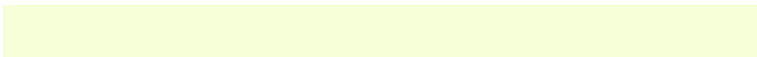
The Sweet Spot groups the original color and five complimentary colors.



77.9666, 91.7083, 84.8277



90.1268, 97.6087, 102.0434



86.7837, 96.3769, 79.6754



19.0987, 20.7990, 21.5725



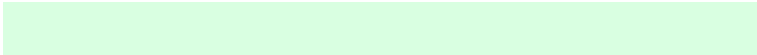
0.0000, 0.0000, 0.0000



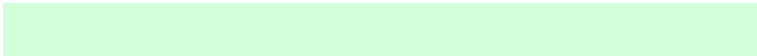
20.3446, 21.4041, 23.3091

Same Dimension

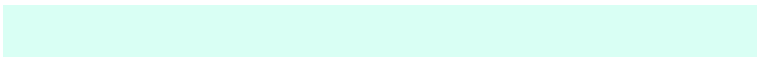
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9666, 91.7083, 84.8277



74.8379, 90.1919, 80.3194



80.6443, 92.7794, 98.9281



17.9280, 20.2307, 19.9239



19.0729, 37.5258, 8.2693



1.8947, 3.6688, 1.0035

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



82.8417, 77.6019, 98.6079



80.5978, 73.5231, 96.5989



80.1126, 76.5103, 84.2367



18.6192, 18.2310, 21.8779



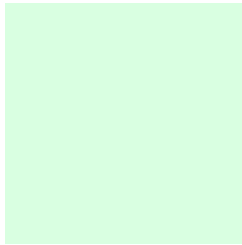
27.1334, 13.3426, 30.4165



2.6810, 1.3148, 3.1673

Previews

White Background



This preview shows how the XYZ color 77.9659, 91.7080, 84.8263 looks on a white background.

Color Contrast Check

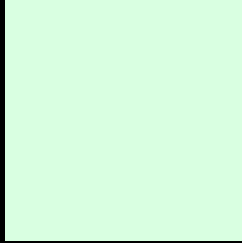
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.9659, 91.7080, 84.8263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

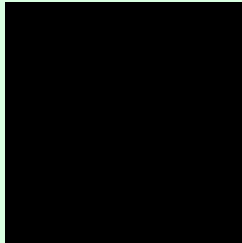
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

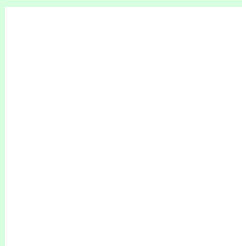
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9659, 91.7080, 84.8263

Background



This preview shows how black text looks on a background with the XYZ color 77.9659, 91.7080, 84.8263.



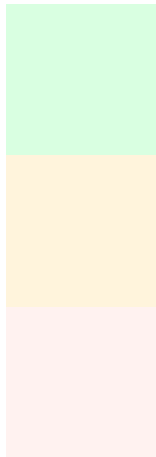
This preview shows how white text looks on a background with the XYZ color 77.9659, 91.7080,

84.8263.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.9659, 91.7080, 84.8263

Protanopia

86.5090, 91.1287, 80.7402

Deuteranopia

88.7203, 91.0555, 95.3375



Tritanopia

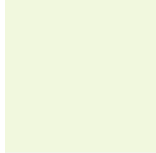
86.2358, 91.7461, 107.7714

Trichromacy



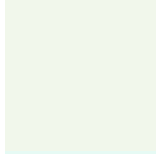
Original Color

77.9659, 91.7080, 84.8263



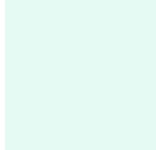
Protanomaly

83.0278, 91.1095, 82.3171



Deuteranomaly

84.5318, 91.2205, 91.7493



Tritanomaly

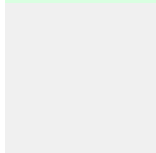
83.1479, 91.7259, 98.9105

Monochromacy



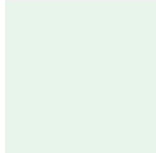
Original Color

77.9659, 91.7080, 84.8263



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.9265, 88.4588, 91.4062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9659, 91.7080, 84.8263 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(217, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(217, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 77.9659, 91.7080, 84.8263 is called "border". The border property can be set on classes, ids or directly on the HTML element.

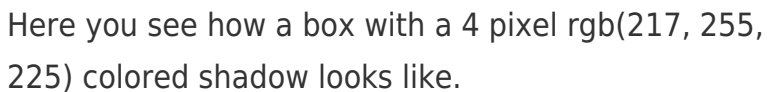
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 255, 225) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(217, 255, 225) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(217, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9659, 91.7080, 84.8263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(217,  
255, 225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor