

Converting Colors

XYZ(78.5476, 91.5355, 84.7624)

Have a look what the booklet for
XYZ(78.5476, 91.5355, 84.7624)
contains.

XYZ(78.5476, 91.5355, 84.7624)	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(78.5476, 91.5355,
84.7624)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFEE1
RGB	220, 254, 225
RGB Percent	86%, 100%, 88%
CMY	0.1372, 0.0039, 0.1176
CMYK	0.13, 0.00, 0.11, 0.00
HSL	129°, 94%, 93%
HSV	129°, 13%, 100%
XYZ	78.5476, 91.5355, 84.7624
YIQ	240.5280, -10.9550, -16.2270

Conversions

Conversions Part 2

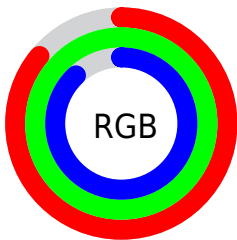
Format	Color
R _Y B	220, 250, 254
Decimal	14483169
CIE _{Lab}	96.63, -16.26, 10.21
CIE _{LCh}	97, 19.201, 147.888
Yxy	91.5355, 0.3082, 0.3592
Android (android.graphics.Color)	4292673249 (0xFFDCFE1)
YUV	240.5280, -7.6553, -18.0031
Hunter-Lab	95.6742, -20.8830, 14.4440

Details

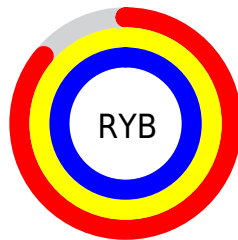
The XYZ color **78.5476, 91.5355, 84.7624** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **83.5684, 79.0989, 100.4898**, and the grayscale version is **83.3047, 87.6430, 95.4432**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7390, 50.8341, 45.5896** is the 20% darker color. If you saturate the color by 10%, you get **68.6659, 86.7640, 69.8386**, and if you desaturate by 10%, it is **89.9774, 97.0669, 101.7202**.

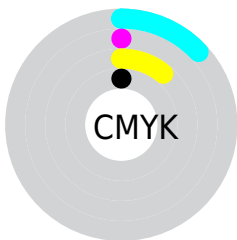
Distribution



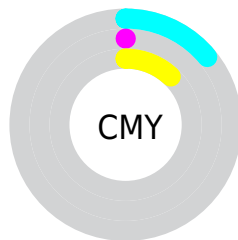
- Red (86%)
- Green (100%)
- Blue (88%)



- Red (86%)
- Yellow (98%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.5476, 91.5355, 84.7624 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 78.5476, 91.5355, 84.7624 by changing the saturation by 10% instead.


 78.5476, 91.5355,
84.7624

 78.5476, 91.5355,
84.7624


478.8360,
533.0132, 530.9656

 58.8283, 69.2549,
63.0961


130.2831,
149.4694, 141.9124

 42.7207, 50.9193,
45.4774


163.0299,
185.8916, 178.2331

 29.8596, 36.1444,
31.4880


200.8500,
227.7963, 220.2757

 19.8796, 24.5457,
20.7091

244.1086,
275.5681, 268.4587

 12.4153, 15.7389,
12.7224

293.1712,
329.5913, 323.2006

 7.1014, 9.3396,
7.1092

348.4030,

 3.5725, 4.9634,

390.2502, 384.9201

3.4510

410.1695,
457.9294, 454.0356

■ 1.4632, 2.2258,
1.3293

■ 0.3006, 0.7340,
0.0856

■ 78.5476, 91.5355,
84.7624

■ 78.5476, 91.5355,
84.7624

■ 68.6659, 86.7640,
69.8386

■ 89.9774, 97.0669,
101.7202

■ 60.2584, 82.7082,
56.8665

94.7336, 99.3672,
108.7945

■ 53.2559, 79.3367,
45.7672

■ 47.5813, 76.6116,
36.4541

■ 43.1495, 74.4910,
28.8338

■ 39.8656, 72.9281,
22.8043

■ 37.6206, 71.8692,
18.2528

■ 36.2838, 71.2495,
15.0513

■ 35.7831, 71.0230,
13.6023

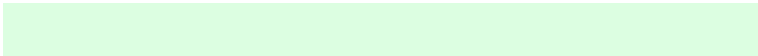
Harmonies

Analogous

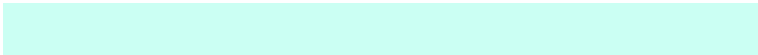
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2619, 91.5355, 75.7527



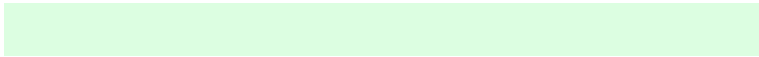
78.5476, 91.5355, 84.7624



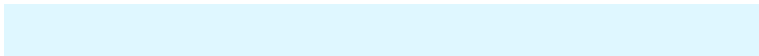
77.0880, 91.5355, 98.5811

Triad

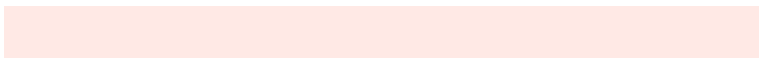
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5476, 91.5355, 84.7624



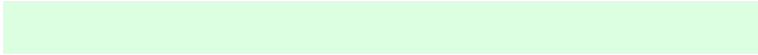
86.6219, 91.5355, 132.2266



96.4486, 91.5355, 86.4676

Complementary

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



78.5476, 91.5355, 84.7624



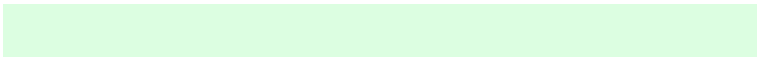
83.5684, 79.0989, 100.4898

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.



97.7310, 91.5355, 100.7600



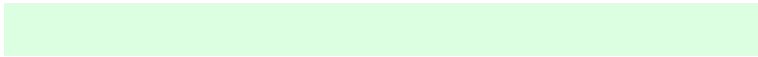
78.5476, 91.5355, 84.7624



91.9202, 91.5355, 128.1479

Square

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



78.5476, 91.5355, 84.7624



81.6288, 91.5355, 126.8640



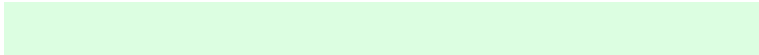
96.0417, 91.5355, 116.2229



92.6054, 91.5355, 76.6637

Rectangle

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



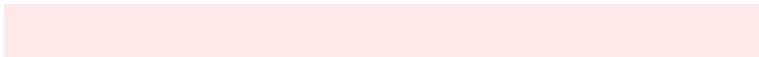
78.5476, 91.5355, 84.7624



77.5428, 91.5355, 109.0263



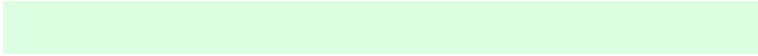
96.0417, 91.5355, 116.2229



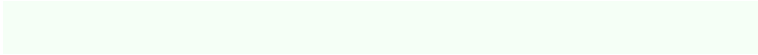
97.2002, 91.5355, 90.8585

Sweetspot

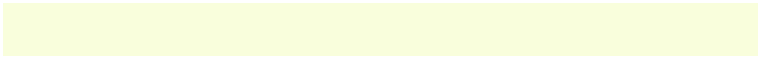
The Sweet Spot groups the original color and five complimentary colors.



78.5501, 91.5394, 84.7644



90.0271, 97.5688, 101.5181



87.5973, 96.2811, 81.6784



19.0735, 20.7889, 21.4400



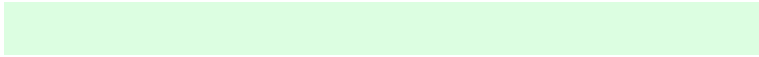
0.0000, 0.0000, 0.0000



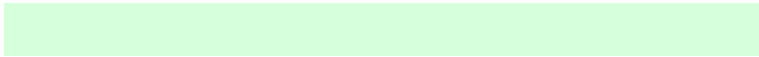
20.3446, 21.4041, 23.3091

Same Dimension

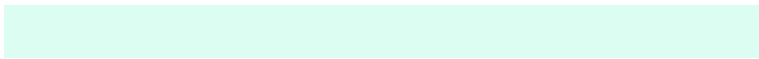
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5501, 91.5394, 84.7644



76.4947, 91.0242, 81.3867



80.9168, 92.4861, 97.2274



17.8804, 20.2117, 19.6731



18.8965, 37.4552, 7.3401



1.8707, 3.6592, 0.8769

Inverse Universe

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



83.5684, 79.0989, 100.4898



82.4361, 76.2940, 100.0040



81.1010, 78.1120, 87.4968



18.6711, 18.2517, 22.1509



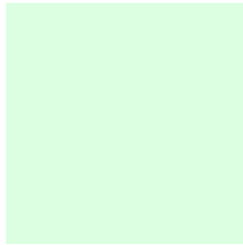
28.1709, 13.7577, 35.8801



2.7728, 1.3515, 3.6511

Previews

White Background



This preview shows how the XYZ color 78.5476, 91.5355, 84.7624 looks on a white background.

Color Contrast Check

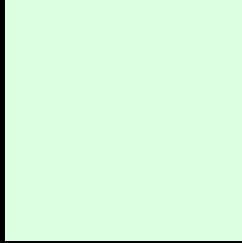
Large Text (above 18pt) WCAG AA × Fail

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 78.5476, 91.5355, 84.7624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

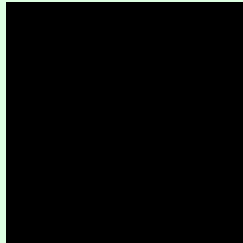
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

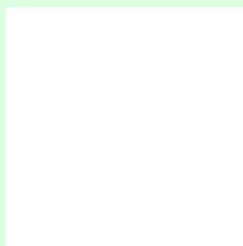
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5476, 91.5355, 84.7624

Background



This preview shows how black text looks on a background with the XYZ color 78.5476, 91.5355, 84.7624.



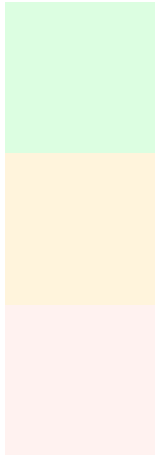
This preview shows how white text looks on a background with the XYZ color 78.5476, 91.5355,

84.7624.

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

78.5476, 91.5355, 84.7624

Protanopia

86.5090, 91.1287, 80.7402

Deuteranopia

88.7203, 91.0555, 95.3375



Tritanopia

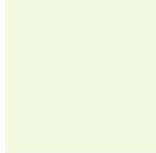
85.9308, 91.1361, 107.6697

Trichromacy



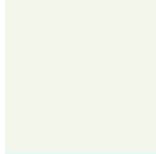
Original Color

78.5476, 91.5355, 84.7624



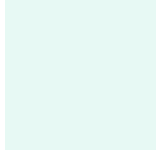
Protanomaly

83.3702, 91.2860, 82.3331



Deuteranomaly

84.5691, 90.7869, 91.6636



Tritanomaly

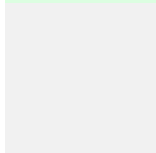
83.1598, 91.2719, 98.8222

Monochromacy



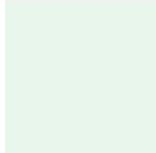
Original Color

78.5476, 91.5355, 84.7624



Achromatopsia

83.6081, 87.9622, 95.7909



Achromatomaly

81.5554, 89.2333, 91.5226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5476, 91.5355, 84.7624 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(220, 254, 225)` looks like.

```
.text, #text, p{  
    color:rgb(220, 254, 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(220, 254, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 254, 225) }
```

Border

The CSS property to change the border of an element to XYZ 78.5476, 91.5355, 84.7624 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(220, 254, 225) }
```


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

```
.border{ border-color:rgb(220, 254, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 254, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 254, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 254, 225);  
box-shadow:4px 4px 4px 4px rgb(220, 254,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5476, 91.5355, 84.7624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 254, 225) }
```

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

```
.background{ background-color: rgb(220,  
254, 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