

Converting Colors

XYZ(78.7269, 92.1028, 84.7476)

Have a look what the booklet for
XYZ(78.7269, 92.1028, 84.7476)
contains.

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Color

**XYZ(78.8658, 92.1719,
84.8684)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFFE1
RGB	220, 255, 225
RGB Percent	86%, 100%, 88%
CMY	0.1372, 0.0000, 0.1176
CMYK	0.14, 0.00, 0.12, 0.00
HSL	129°, 100%, 93%
HSV	129°, 14%, 100%
XYZ	78.8658, 92.1719, 84.8684
YIQ	241.1150, -11.2300, -16.7500

Conversions

Conversions Part 2

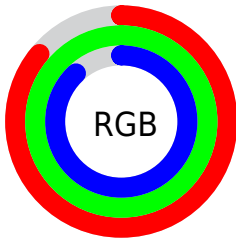
Format	Color
R _Y B	220, 251, 255
Decimal	14483425
CIE Lab	96.89, -16.75, 10.58
CIE LCh	97, 19.814, 147.729
Yxy	92.1719, 0.3082, 0.3602
Android (android.graphics.Color)	4292673505 (0xFFDCFFE1)
YUV	241.1150, -7.9447, -18.5179
Hunter-Lab	96.0062, -21.3792, 14.7926

Details

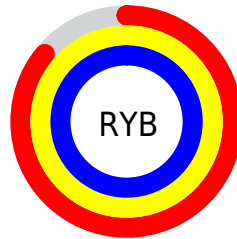
The XYZ color **78.8658, 92.1719, 84.8684** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **84.0889, 79.3493, 101.3262**, and the grayscale version is **83.7661, 88.1284, 95.9719**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9668, 51.2898, 45.6655** is the 20% darker color. If you saturate the color by 10%, you get **68.9339, 87.3745, 69.8224**, and if you desaturate by 10%, it is **90.3581, 97.7295, 101.9826**.

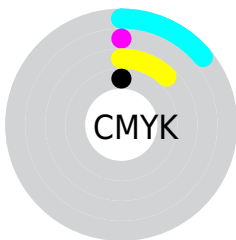
Distribution



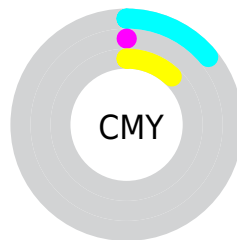
- Red (86%)
- Green (100%)
- Blue (88%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.8658, 92.1719, 84.8684 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 78.8658, 92.1719, 84.8684 by changing the saturation by 10% instead.


 78.8658, 92.1719,
84.8684

 78.8658, 92.1719,
84.8684


479.8972,
535.0709, 531.3257

 59.0907, 69.7834,
63.1831


130.7288,
150.3516, 142.0618

 42.9328, 51.3500,
45.5474


163.5475,
186.9116, 178.4071

 30.0267, 36.4872,
31.5427


201.4448,
228.9643, 220.4760

 20.0070, 24.8107,
20.7506

244.7860,
276.8940, 268.6873

 12.5084, 15.9361,
12.7523

293.9364,
331.0851, 323.4593

 7.1656, 9.4789,
7.1295

349.2616,

 3.6131, 5.0549,

391.9220, 385.2107

3.4636

411.1267,
459.7892, 454.3600

■ 1.4857, 2.2795,
1.3359

■ 0.3161, 0.7628,
0.0910

■ 78.8658, 92.1719,
84.8684

■ 78.8658, 92.1719,
84.8684

■ 68.9339, 87.3745,
69.8224

■ 90.3581, 97.7295,
101.9826

■ 60.4926, 83.3032,
56.7622

95.0500, 100.0000,
108.9000

■ 53.4703, 79.9227,
45.6061

■ 47.7881, 77.1944,
36.2651

■ 43.3599, 75.0756,
28.6430

■ 40.0890, 73.5190,
22.6348

■ 37.8644, 72.4697,
18.1241

■ 36.5526, 71.8617,
14.9786

■ 36.0851, 71.6500,
13.6319

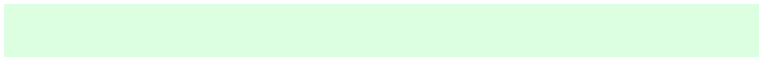
Harmonies

Analogous

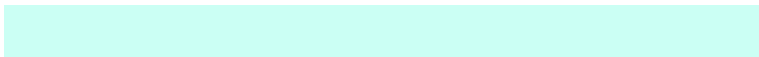
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7209, 92.1719, 75.6011



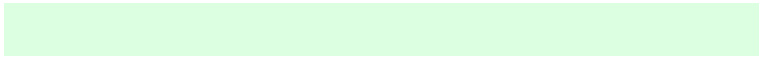
78.8658, 92.1719, 84.8684



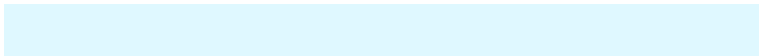
77.3423, 92.1719, 99.1499

Triad

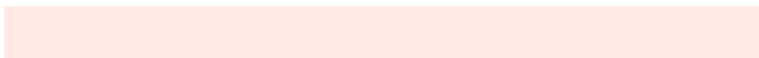
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8658, 92.1719, 84.8684



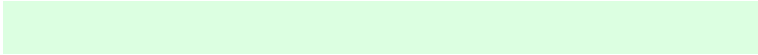
87.1832, 92.1719, 134.2057



97.4250, 92.1719, 86.7635

Complementary

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



78.8658, 92.1719, 84.8684



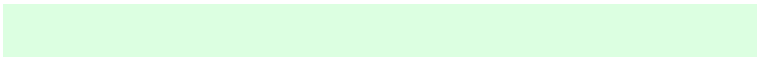
84.0889, 79.3493, 101.3262

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.



98.7411, 92.1719, 101.5789



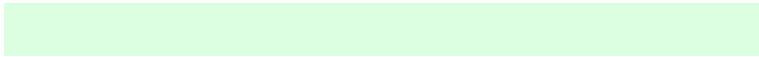
78.8658, 92.1719, 84.8684



92.6811, 92.1719, 130.0071

Square

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



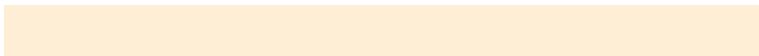
78.8658, 92.1719, 84.8684



82.0160, 92.1719, 128.5692



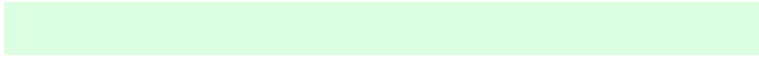
96.9705, 92.1719, 117.6296



93.4458, 92.1719, 76.6111

Rectangle

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



78.8658, 92.1719, 84.8684



77.8032, 92.1719, 109.9851



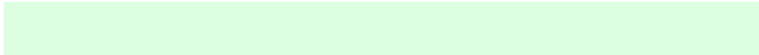
96.9705, 92.1719, 117.6296



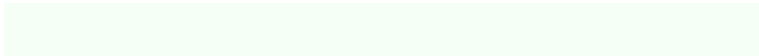
98.2007, 92.1719, 91.3126

Sweetspot

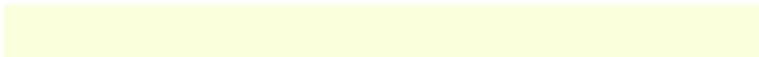
The Sweet Spot groups the original color and five complimentary colors.



78.8665, 92.1722, 84.8698



90.0205, 97.5662, 101.4836



88.2224, 97.0731, 81.7984



19.0719, 20.7882, 21.4313



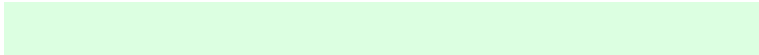
0.0000, 0.0000, 0.0000



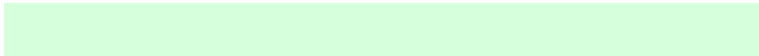
20.3446, 21.4041, 23.3091

Same Dimension

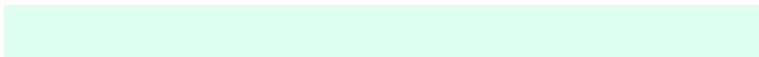
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8665, 92.1722, 84.8698



76.4721, 91.0151, 81.2676



81.3278, 93.1567, 97.8308



17.8773, 20.2104, 19.6566



18.8870, 37.4514, 7.2901



1.8692, 3.6586, 0.8692

Inverse Universe

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



84.0889, 79.3493, 101.3262



82.4628, 76.3046, 100.1442



81.5179, 78.3209, 87.7877



18.6745, 18.2531, 22.1690



28.2429, 13.7865, 36.2591



2.7792, 1.3540, 3.6845

Previews

White Background



This preview shows how the XYZ color 78.8658, 92.1719, 84.8684 looks on a white background.

Color Contrast Check

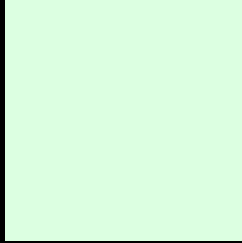
Large Text (above 18pt) WCAG AA × Fail

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 78.8658, 92.1719, 84.8684 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

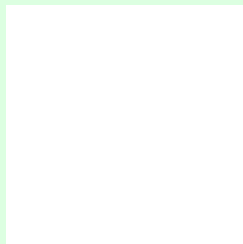
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8658, 92.1719, 84.8684

Background



This preview shows how black text looks on a background with the XYZ color 78.8658, 92.1719, 84.8684.



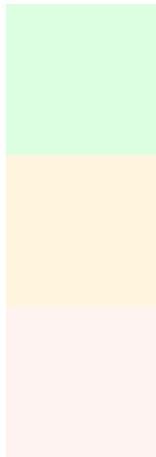
This preview shows how white text looks on a background with the XYZ color 78.8658, 92.1719,

84.8684.

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

78.8658, 92.1719, 84.8684

Protanopia

87.0772, 91.8387, 82.2444

Deuteranopia

89.1678, 91.7121, 96.2216



Tritanopia

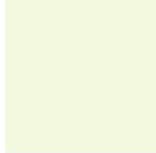
86.9074, 92.0923, 107.8028

Trichromacy



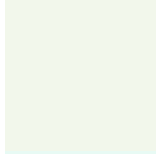
Original Color

78.8658, 92.1719, 84.8684



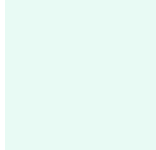
Protanomaly

83.8129, 91.9563, 83.1440



Deuteranomaly

84.8741, 91.3969, 91.7653



Tritanomaly

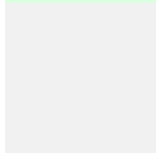
83.7935, 92.0587, 98.9407

Monochromacy



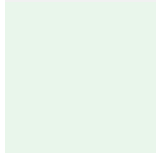
Original Color

78.8658, 92.1719, 84.8684



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 78.8658, 92.1719, 84.8684 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, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 78.8658, 92.1719, 84.8684 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, 255, 225) }
```


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

```
.border{ border-color:rgb(220, 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(220, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8658, 92.1719, 84.8684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 225) }
```

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

```
.background{ background-color: rgb(220,  
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](#).

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