

Converting Colors

XYZ(68.0725, 84.0608, 72.5505)

Have a look what the booklet for
XYZ(68.0725, 84.0608, 72.5505)
contains.

XYZ(68.0258, 84.0412, 72.3107) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(68.0258, 84.0412,
72.3107)**

Conversions

Conversions Part 1

Format	Color
Hex	C4F9D0
RGB	196, 249, 208
RGB Percent	77%, 98%, 82%
CMY	0.2314, 0.0235, 0.1843
CMYK	0.21, 0.00, 0.16, 0.02
HSL	134°, 82%, 87%
HSV	134°, 21%, 98%
XYZ	68.0258, 84.0412, 72.3107
YIQ	228.4790, -18.4270, -23.9870

Conversions

Conversions Part 2

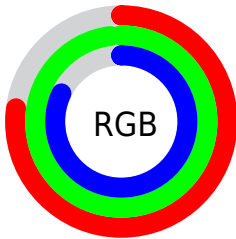
Format	Color
RYB	196, 239, 249
Decimal	12909008
CIELab	93.47, -24.60, 14.25
CIELCh	93, 28.426, 149.923
Yxy	84.0412, 0.3032, 0.3746
Android (android.graphics.Color)	4291099088 (0xFFC4F9D0)
YUV	228.4790, -10.0961, -28.4841
Hunter-Lab	91.6740, -27.9753, 17.4050

Details

The XYZ color **68.0258, 84.0412, 72.3107** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.0959, 65.7360, 88.9076**, and the grayscale version is **74.1769, 78.0398, 84.9854**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **35.6669, 45.6951, 37.5120** is the 20% darker color. If you saturate the color by 10%, you get **59.8509, 80.0867, 60.2995**, and if you desaturate by 10%, it is **77.5680, 88.6721, 85.8920**.

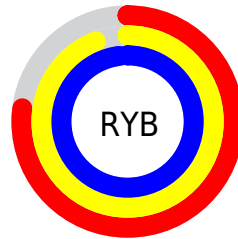
Distribution



Red (77%)

Green (98%)

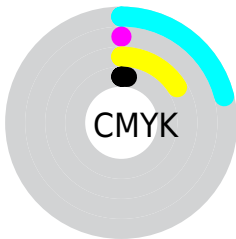
Blue (82%)



Red (77%)

Yellow (94%)

Blue (98%)

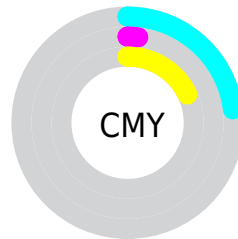


Cyan (21%)

Magenta (0%)

Yellow (16%)

Black (2%)



Cyan (23%)


Magenta (2%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0258, 84.0412, 72.3107 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 68.0258, 84.0412, 72.3107 by changing the saturation by 10% instead.


 68.0258, 84.0412,
72.3107

 68.0258, 84.0412,
72.3107

442.9627,
508.4500, 487.6289

 50.1925, 63.0495,
52.9241


115.4308,
139.0328, 124.2100

 35.7848, 45.8812,
37.3549


145.7331,
173.8015, 157.5598

 24.4374, 32.1521,
25.1845


180.9225,
213.9312, 196.4011

 15.7849, 21.4777,
15.9943

221.3643,
259.8064, 241.1524

 9.4619, 13.4736,
9.3658

267.4239,
311.8115, 292.2323

 5.1032, 7.7555,
4.8805

319.4666,

 2.3433, 3.9389,

370.3309, 350.0593

2.1198

377.8577,
435.7489, 415.0520

■ 0.8167, 1.6394,
0.6275

■ 0.0000, 0.3840,
0.0000

■ 68.0258, 84.0412,
72.3107

■ 68.0258, 84.0412,
72.3107

■ 59.8509, 80.0867,
60.2995

■ 77.5680, 88.6721,
85.8920

■ 52.9733, 76.7665,
49.7963

■ 88.5298, 93.9980,
101.0915

■ 47.3268, 74.0501,
40.7430

■ 93.1673, 96.2346,
108.2724

■ 42.8367, 71.9005,
33.0755

■ 39.4198, 70.2760,
26.7251

■ 36.9815, 69.1296,
21.6170

■ 35.4095, 68.4049,
17.6687

■ 34.6003, 68.0438,
15.1000

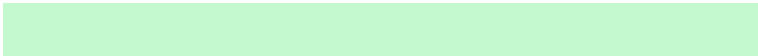
Harmonies

Analogous

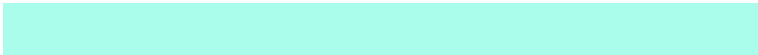
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8913, 84.0412, 60.1468



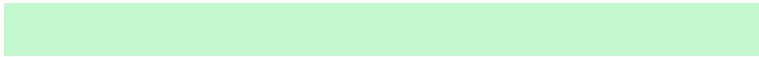
68.0258, 84.0412, 72.3107



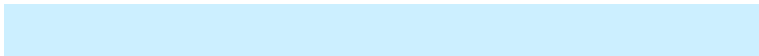
66.2943, 84.0412, 91.4513

Triad

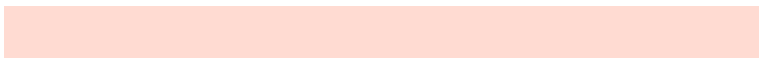
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0258, 84.0412, 72.3107



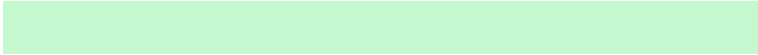
79.8593, 84.0412, 139.3915



93.0554, 84.0412, 72.3925

Complementary

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



68.0258, 84.0412, 72.3107



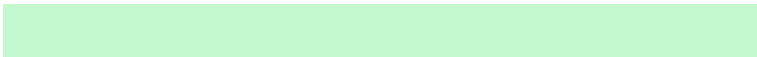
74.0959, 65.7360, 88.9076

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.



95.2024, 84.0412, 91.5618



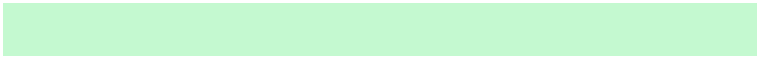
68.0258, 84.0412, 72.3107



87.2988, 84.0412, 132.2213

Square

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



68.0258, 84.0412, 72.3107



72.8599, 84.0412, 132.1507



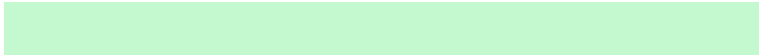
93.0340, 84.0412, 113.8304



87.3343, 84.0412, 60.1886

Rectangle

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



68.0258, 84.0412, 72.3107



67.0603, 84.0412, 106.3310



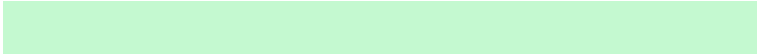
93.0340, 84.0412, 113.8304



94.2344, 84.0412, 78.1283

Sweetspot

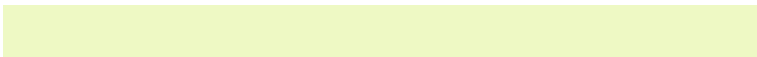
The Sweet Spot groups the original color and five complimentary colors.



68.0281, 84.0447, 72.3126



87.7959, 96.4738, 98.9179



78.9406, 89.8346, 65.4047



18.6301, 20.5707, 20.9481



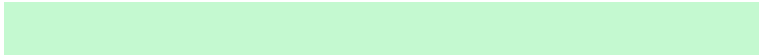
0.0000, 0.0000, 0.0000



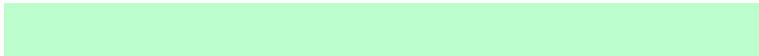
20.3446, 21.4041, 23.3091

Same Dimension

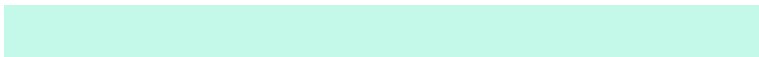
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0281, 84.0447, 72.3126



67.5363, 86.6463, 70.1099



71.4922, 85.4304, 90.5542



17.1783, 19.3736, 19.1395



18.5641, 36.4386, 8.3139



1.7577, 3.3902, 0.9721

Inverse Universe

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



74.0959, 65.7360, 88.9076



75.0997, 63.8169, 90.7894



70.5694, 64.3254, 70.3373



17.8150, 17.4534, 20.8816



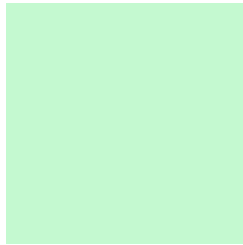
26.0985, 12.8551, 28.2906



2.4569, 1.2065, 2.8292

Previews

White Background



This preview shows how the XYZ color 68.0258, 84.0412, 72.3107 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 68.0258, 84.0412, 72.3107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

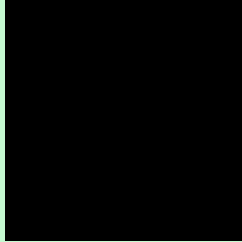
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

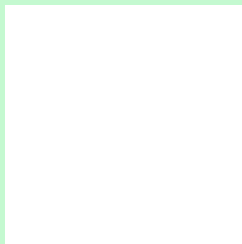
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0258, 84.0412, 72.3107

Background



This preview shows how black text looks on a background with the XYZ color 68.0258, 84.0412, 72.3107.

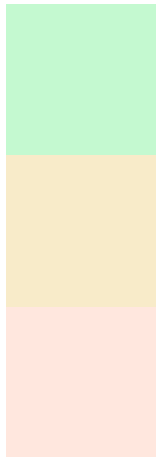


This preview shows how white text looks on a background with the XYZ color 68.0258, 84.0412,

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

68.0258, 84.0412, 72.3107

Protanopia

78.9623, 83.5902, 67.2311

Deuteranopia

83.0007, 83.6858, 80.8856



Tritanopia

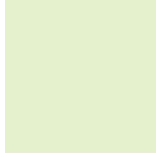
76.6507, 83.6863, 106.7209

Trichromacy



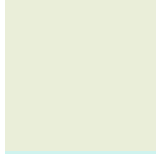
Original Color

68.0258, 84.0412, 72.3107



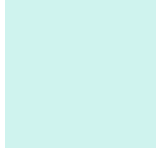
Protanomaly

74.3723, 83.3378, 69.2927



Deuteranomaly

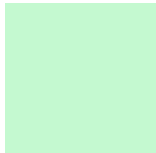
77.0306, 83.6513, 77.7320



Tritanomaly

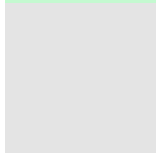
73.2153, 83.5396, 93.1548

Monochromacy



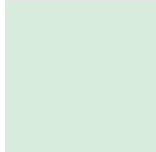
Original Color

68.0258, 84.0412, 72.3107



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.3655, 79.8103, 80.0502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0258, 84.0412, 72.3107 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(196, 249, 208)` looks like.

```
.text, #text, p{  
    color:rgb(196, 249, 208)  
}
```

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(196, 249, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 249, 208) }
```

Border

The CSS property to change the border of an element to XYZ 68.0258, 84.0412, 72.3107 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(196, 249, 208) }
```


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

```
.border{ border-color:rgb(196, 249, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 249, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 249, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 249, 208);  
box-shadow:4px 4px 4px 4px rgb(196, 249,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0258, 84.0412, 72.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 249, 208) }
```

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

```
.background{ background-color: rgb(196,  
249, 208) }
```

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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