

Converting Colors

XYZ(68.9235, 84.7569, 90.4631)

Have a look what the booklet for
XYZ(68.9235, 84.7569, 90.4631)
contains.

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Color

**XYZ(68.8041, 84.5021,
90.5261)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FAEA
RGB	184, 250, 234
RGB Percent	72%, 98%, 92%
CMY	0.2784, 0.0196, 0.0823
CMYK	0.26, 0.00, 0.06, 0.02
HSL	165°, 87%, 85%
HSV	165°, 26%, 98%
XYZ	68.8041, 84.5021, 90.5261
YIQ	228.4420, -34.2000, -18.9680

Conversions

Conversions Part 2

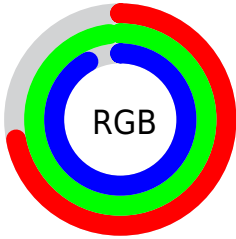
Format	Color
RYB	184, 222, 250
Decimal	12122858
CIELab	93.67, -23.76, 1.02
CIElCh	94, 23.782, 177.540
Yxy	84.5021, 0.2822, 0.3466
Android (android.graphics.Color)	4290312938 (0xFFB8FAEA)
YUV	228.4420, 2.7401, -38.9756
Hunter-Lab	91.9250, -27.2650, 5.9598

Details

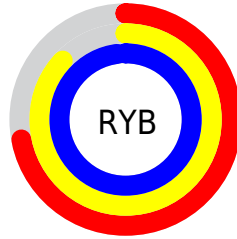
The XYZ color **68.8041, 84.5021, 90.5261** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9932, 58.7774, 62.4614**, and the grayscale version is **74.0669, 77.9242, 84.8594**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **36.1591, 46.0214, 49.0967** is the 20% darker color. If you saturate the color by 10%, you get **62.4809, 81.3435, 85.7630**, and if you desaturate by 10%, it is **76.2202, 88.2251, 95.4995**.

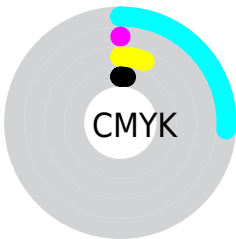
Distribution



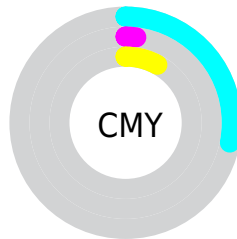
- Red (72%)
- Green (98%)
- Blue (92%)



- Red (72%)
- Yellow (87%)
- Blue (98%)



- Cyan (26%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)





- Cyan (28%)
- Magenta (2%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8041, 84.5021, 90.5261 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 68.8041, 84.5021, 90.5261 by changing the saturation by 10% instead.


 68.8041, 84.5021,
90.5261

 68.8041, 84.5021,
90.5261


445.6719,
509.9791, 550.3550

 50.8282, 63.4301,
67.8409


 116.5373,
139.6773, 150.0109

 36.2924, 46.1892,
49.3024


147.0254,
174.5493, 187.6475

 24.8313, 32.3952,
34.4922


182.4150,
214.7900, 231.1050

 16.0795, 21.6635,
22.9915

223.0713,
260.7839, 280.8020

 9.6716, 13.6099,
14.3820

269.3598,
312.9154, 337.1569

 5.2424, 7.8498,
8.2451

321.6459,

 2.4264, 3.9990,

371.5688, 400.5884

4.1621

380.2948,
437.1286, 471.5149

■ 0.8583, 1.6730,
1.7147

■ 0.0000, 0.4061,
0.3708

■ 68.8041, 84.5021,
90.5261

■ 68.8041, 84.5021,
90.5261

■ 62.4809, 81.3435,
85.7630

■ 76.2202, 88.2251,
95.4995

■ 57.1875, 78.7101,
81.2004

■ 84.7738, 92.5288,
100.6814

■ 52.8650, 76.5739,
76.8356

■ 93.0275, 96.6744,
106.0078

■ 49.4457, 74.9001,
72.6640

■ 93.4771, 96.8542,
108.3757

■ 46.8531, 73.6490,
68.6804

■ 44.9974, 72.7746,
64.8790

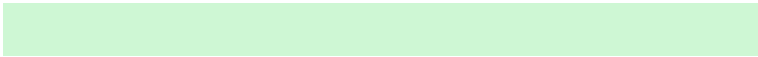
■ 43.7666, 72.2191,
61.2527

■ 43.4146, 72.0653,
59.9871

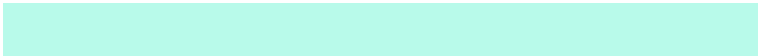
Harmonies

Analogous

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



70.5164, 84.5021, 74.6046



68.8041, 84.5021, 90.5261



70.0403, 84.5021, 109.0121

Triad

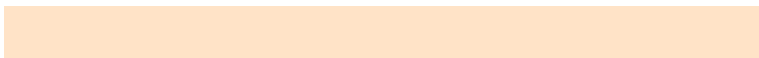
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8041, 84.5021, 90.5261



86.0530, 84.5021, 126.3529



87.0002, 84.5021, 65.7139

Complementary

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



68.8041, 84.5021, 90.5261



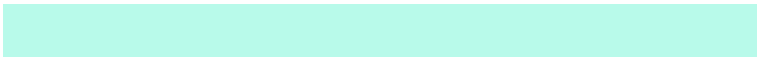
66.9932, 58.7774, 62.4614

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.



91.5521, 84.5021, 76.8718



68.8041, 84.5021, 90.5261



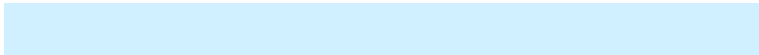
90.9854, 84.5021, 111.9280

Square

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



68.8041, 84.5021, 90.5261



79.7974, 84.5021, 131.2351



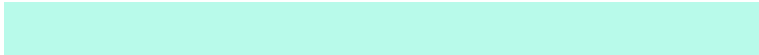
93.0468, 84.5021, 93.5068



80.8382, 84.5021, 61.4990

Rectangle

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



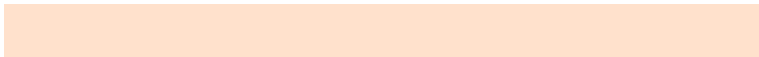
68.8041, 84.5021, 90.5261



72.4080, 84.5021, 120.0712



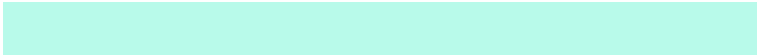
93.0468, 84.5021, 93.5068



88.7814, 84.5021, 68.6989

Sweetspot

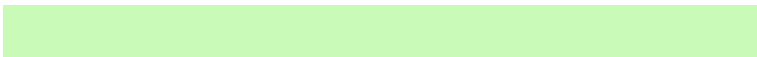
The Sweet Spot groups the original color and five complimentary colors.



68.8065, 84.5056, 90.5280



87.1528, 96.0197, 104.4269



66.7932, 84.1838, 58.0777



18.3555, 20.4017, 22.1750



0.0000, 0.0000, 0.0000



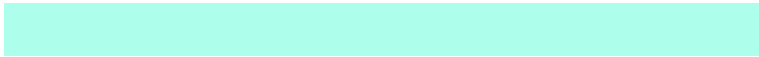
20.3446, 21.4041, 23.3091

Same Dimension

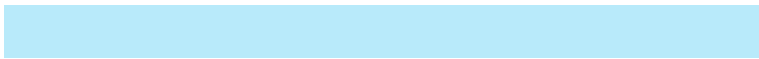
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8065, 84.5056, 90.5280



68.1087, 86.4605, 91.8591



66.3058, 75.6569, 101.5551



17.5753, 19.5324, 21.2303



23.0871, 38.2478, 32.1314



2.1797, 3.5590, 3.1943

Inverse Universe

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



66.9932, 58.7774, 62.4614



65.9067, 55.1593, 57.7335



68.8491, 65.3278, 54.3297



17.4171, 17.2942, 18.7864



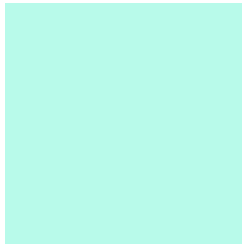
21.4002, 10.9758, 3.5499



2.0219, 1.0325, 0.5387

Previews

White Background



This preview shows how the XYZ color 68.8041, 84.5021, 90.5261 looks on a white background.

Color Contrast Check

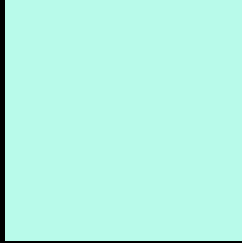
Large Text (above 18pt) WCAG AA × Fail

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 68.8041, 84.5021, 90.5261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

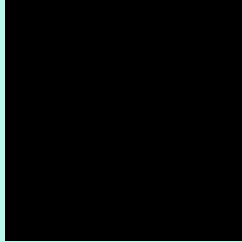
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

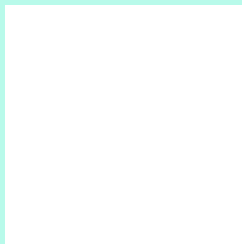
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8041, 84.5021, 90.5261

Background



This preview shows how black text looks on a background with the XYZ color 68.8041, 84.5021, 90.5261.



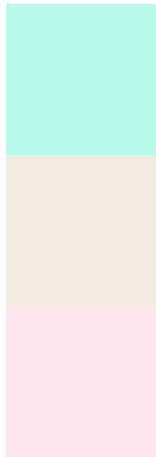
This preview shows how white text looks on a background with the XYZ color 68.8041, 84.5021,

90.5261.

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

68.8041, 84.5021, 90.5261

Protanopia

80.3979, 83.9623, 83.9204

Deuteranopia

84.9694, 84.0267, 92.6293



Tritanopia

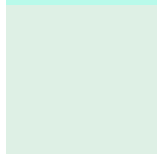
75.8146, 84.1342, 106.8514

Trichromacy



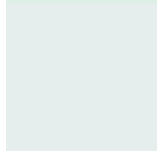
Original Color

68.8041, 84.5021, 90.5261



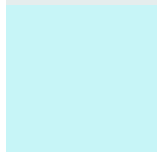
Protanomaly

75.4271, 83.5069, 86.2718



Deuteranomaly

77.8833, 83.3408, 92.1023



Tritanomaly

72.9941, 84.1623, 100.3934

Monochromacy



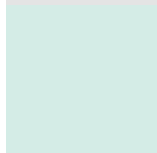
Original Color

68.8041, 84.5021, 90.5261



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.4298, 79.7011, 86.4820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8041, 84.5021, 90.5261 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(184, 250, 234)` looks like.

```
.text, #text, p{  
    color:rgb(184, 250, 234)  
}
```

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(184, 250, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 250, 234) }
```

Border

The CSS property to change the border of an element to XYZ 68.8041, 84.5021, 90.5261 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(184, 250, 234) }
```


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

```
.border{ border-color:rgb(184, 250, 234) }
```

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

Here you see how a box with a 4 pixel rgb(184, 250, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 250, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 250, 234);  
box-shadow:4px 4px 4px 4px rgb(184, 250,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8041, 84.5021, 90.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 250, 234) }
```

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

```
.background{ background-color: rgb(184,  
250, 234) }
```

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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