

Converting Colors

XYZ(69.4916, 84.6753, 89.6522)

Have a look what the booklet for
XYZ(69.4916, 84.6753, 89.6522)
contains.

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Color

**XYZ(69.6326, 84.9458,
89.8169)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFAE9
RGB	188, 250, 233
RGB Percent	74%, 98%, 91%
CMY	0.2627, 0.0196, 0.0863
CMYK	0.25, 0.00, 0.07, 0.02
HSL	164°, 86%, 86%
HSV	164°, 25%, 98%
XYZ	69.6326, 84.9458, 89.8169
YIQ	229.5240, -31.4950, -18.4310

Conversions

Conversions Part 2

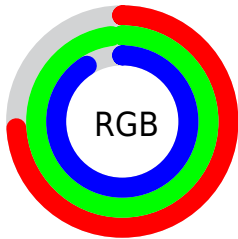
Format	Color
RYB	188, 224, 250
Decimal	12385001
CIELab	93.86, -22.79, 1.84
CIELCh	94, 22.866, 175.375
Yxy	84.9458, 0.2849, 0.3476
Android (android.graphics.Color)	4290575081 (0xFFBCFAE9)
YUV	229.5240, 1.7137, -36.4165
Hunter-Lab	92.1660, -26.4316, 6.7374

Details

The XYZ color **69.6326, 84.9458, 89.8169** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.4300, 60.7004, 65.8708**, and the grayscale version is **74.8685, 78.7675, 85.7778**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **36.6786, 46.3008, 48.5988** is the 20% darker color. If you saturate the color by 10%, you get **63.0393, 81.6601, 84.4959**, and if you desaturate by 10%, it is **77.3356, 88.8037, 95.3921**.

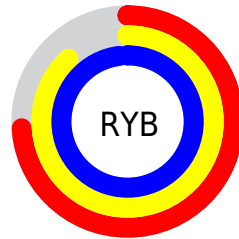
Distribution



Red (74%)

Green (98%)

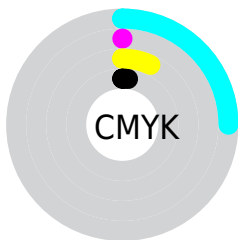
Blue (91%)



Red (74%)

Yellow (88%)

Blue (98%)

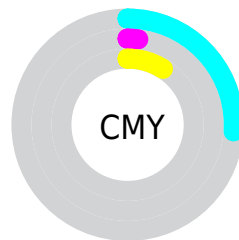


Cyan (25%)

Magenta (0%)

Yellow (7%)

Black (2%)



Cyan (26%)


Magenta (2%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.6326, 84.9458, 89.8169 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 69.6326, 84.9458, 89.8169 by changing the saturation by 10% instead.


 69.6326, 84.9458,
89.8169

 69.6326, 84.9458,
89.8169


448.5455,
511.4487, 547.9898

 51.5056, 63.7966,
67.2559


 117.7138,
140.2974, 149.0173

 36.8338, 46.4860,
48.8297


148.3987,
175.2687, 186.4939

 25.2519, 32.6295,
34.1198


184.0002,
215.6161, 229.7794

 16.3946, 21.8427,
22.7075

224.8838,
261.7239, 279.2923

 9.8964, 13.7414,
14.1744

271.4148,
313.9768, 335.4513

 5.3921, 7.9410,
8.1020

323.9585,

 2.5162, 4.0572,

372.7589, 398.6748

4.0715

382.8803,
438.4548, 469.3815

■ 0.9034, 1.7056,
1.6647

■ 0.0000, 0.4273,
0.3364

■ 69.6326, 84.9458,
89.8169

■ 69.6326, 84.9458,
89.8169

■ 63.0393, 81.6601,
84.4959

■ 77.3356, 88.8037,
95.3921

■ 57.4930, 78.9075,
79.4185

■ 86.1925, 93.2498,
101.2204

■ 52.9358, 76.6605,
74.5816

■ 93.2477, 96.7626,
107.1674

■ 49.3010, 74.8848,
69.9797

■ 93.4772, 96.8543,
108.3757

■ 46.5136, 73.5417,
65.6071

■ 44.4860, 72.5862,
61.4572

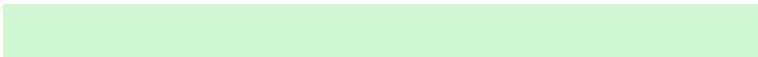
■ 43.1111, 71.9631,
57.5225

■ 42.5734, 71.7288,
55.5571

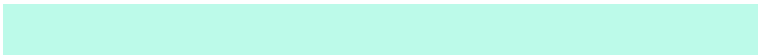
Harmonies

Analogous

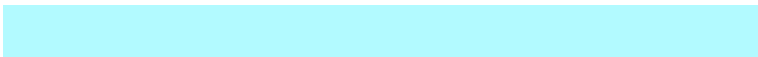
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4913, 84.9458, 74.7345



69.6326, 84.9458, 89.8169



70.6252, 84.9458, 107.6017

Triad

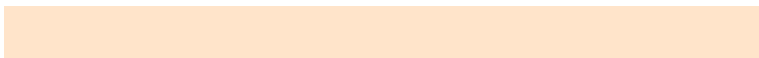
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.6326, 84.9458, 89.8169



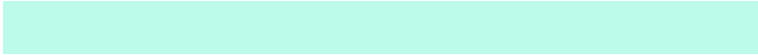
85.8551, 84.9458, 126.1774



87.5681, 84.9458, 67.5751

Complementary

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



69.6326, 84.9458, 89.8169



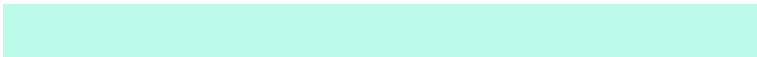
68.4300, 60.7004, 65.8708

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.



91.7738, 84.9458, 78.8666



69.6326, 84.9458, 89.8169



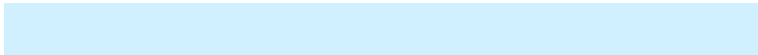
90.7505, 84.9458, 112.8596

Square

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



69.6326, 84.9458, 89.8169



79.7990, 84.9458, 130.0575



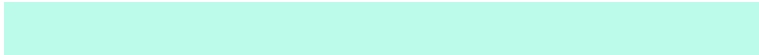
92.9665, 84.9458, 95.2187



81.6852, 84.9458, 62.9603

Rectangle

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



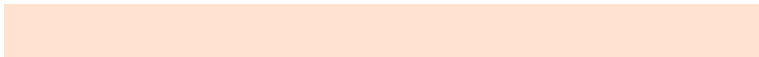
69.6326, 84.9458, 89.8169



72.7980, 84.9458, 118.4387



92.9665, 84.9458, 95.2187



89.2363, 84.9458, 70.6410

Sweetspot

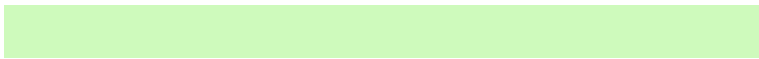
The Sweet Spot groups the original color and five complimentary colors.



69.6350, 84.9493, 89.8188



88.0069, 96.4591, 104.5088



68.5988, 85.0656, 60.3820



18.7133, 20.5840, 22.2895



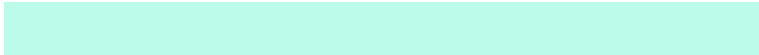
0.0000, 0.0000, 0.0000



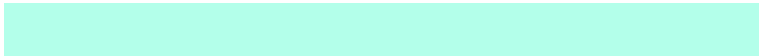
20.3446, 21.4041, 23.3091

Same Dimension

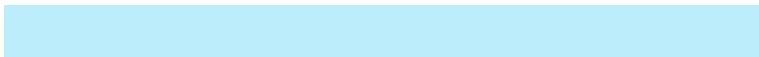
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.6350, 84.9493, 89.8188



69.0894, 86.9860, 91.0064



68.1559, 77.9144, 101.8934



17.5508, 19.5226, 21.1011



22.6450, 38.0710, 29.8038



2.1419, 3.5439, 2.9953

Inverse Universe

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



68.4300, 60.7004, 65.8708



67.6246, 57.4459, 61.8488



69.4920, 65.9328, 56.6419



17.4402, 17.3034, 18.9076



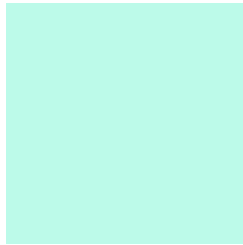
21.5261, 11.0262, 4.2128



2.0363, 1.0383, 0.6145

Previews

White Background



This preview shows how the XYZ color 69.6326, 84.9458, 89.8169 looks on a white background.

Color Contrast Check

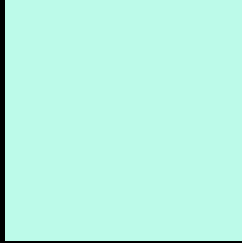
Large Text (above 18pt) WCAG AA × Fail

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 69.6326, 84.9458, 89.8169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

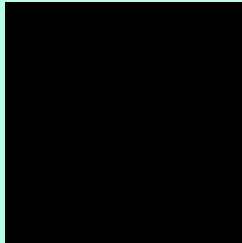
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

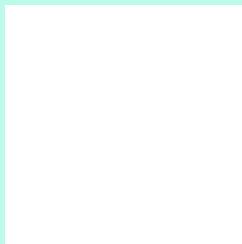
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6326, 84.9458, 89.8169

Background



This preview shows how black text looks on a background with the XYZ color 69.6326, 84.9458, 89.8169.



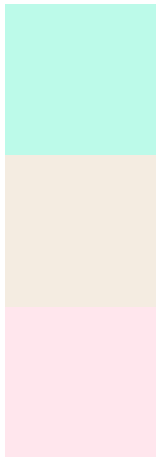
This preview shows how white text looks on a background with the XYZ color 69.6326, 84.9458,

89.8169.

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

69.6326, 84.9458, 89.8169

Protanopia

80.8943, 84.6602, 83.3116

Deuteranopia

84.8229, 83.9681, 91.8576



Tritanopia

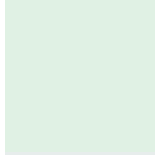
76.6661, 84.5731, 106.8913

Trichromacy



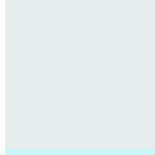
Original Color

69.6326, 84.9458, 89.8169



Protanomaly

76.1994, 84.3593, 85.6656



Deuteranomaly

78.3795, 83.6134, 91.3648



Tritanomaly

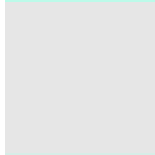
74.0695, 84.7167, 100.4438

Monochromacy



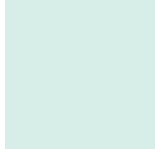
Original Color

69.6326, 84.9458, 89.8169



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.7323, 80.7850, 87.3610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6326, 84.9458, 89.8169 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(188, 250, 233)` looks like.

```
.text, #text, p{  
    color:rgb(188, 250, 233)  
}
```

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(188, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 250, 233) }
```

Border

The CSS property to change the border of an element to XYZ 69.6326, 84.9458, 89.8169 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(188, 250, 233) }
```


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

```
.border{ border-color:rgb(188, 250, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 250, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(188, 250,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6326, 84.9458, 89.8169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 250, 233) }
```

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

```
.background{ background-color: rgb(188,  
250, 233) }
```

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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