

Converting Colors

XYZ(66.6209, 79.0400, 85.4993)

Have a look what the booklet for
XYZ(66.6209, 79.0400, 85.4993)
contains.

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Color

**XYZ(66.3989, 78.8688,
85.1224)**

Conversions

Conversions Part 1

Format	Color
Hex	BEF0E4
RGB	190, 240, 228
RGB Percent	75%, 94%, 89%
CMY	0.2549, 0.0588, 0.1059
CMYK	0.21, 0.00, 0.05, 0.06
HSL	166°, 63%, 84%
HSV	166°, 21%, 94%
XYZ	66.3989, 78.8688, 85.1224
YIQ	223.6820, -25.9480, -14.3320

Conversions

Conversions Part 2

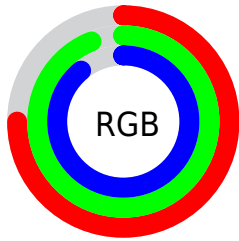
Format	Color
R _Y B	190, 218, 240
Decimal	12513508
CIE Lab	91.17, -18.31, 0.54
CIE LCh	91, 18.315, 178.307
Yxy	78.8688, 0.2882, 0.3423
Android (android.graphics.Color)	4290703588 (0xFFBEF0E4)
YUV	223.6820, 2.1288, -29.5391
Hunter-Lab	88.8081, -21.9556, 5.3363

Details

The XYZ color **66.3989, 78.8688, 85.1224** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0121, 59.6185, 63.9615**, and the grayscale version is **70.6250, 74.3030, 80.9159**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **34.8367, 42.5323, 45.9086** is the 20% darker color. If you saturate the color by 10%, you get **60.1049, 75.7171, 80.7233**, and if you desaturate by 10%, it is **73.7112, 82.5465, 89.7117**.

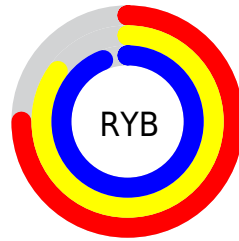
Distribution



Red (75%)

Green (94%)

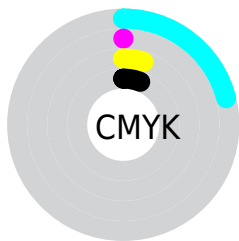
Blue (89%)



Red (75%)

Yellow (85%)

Blue (94%)

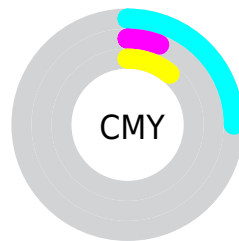


Cyan (21%)

Magenta (0%)

Yellow (5%)

Black (6%)



Cyan (25%)


Magenta (6%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3989, 78.8688, 85.1224 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 66.3989, 78.8688, 85.1224 by changing the saturation by 10% instead.


 66.3989, 78.8688,
85.1224

 66.3989, 78.8688,
85.1224


437.2683,
491.1124, 532.1881

 48.8652, 58.7879,
63.3918


 113.1132,
131.7741, 142.4199

 34.7266, 42.4424,
45.7152


143.0246,
165.3674, 178.8238

 23.6179, 29.4479,
31.6741


177.7925,
204.2336, 220.9559

 15.1736, 19.4199,
20.8499

217.7823,
248.7571, 269.2347

 9.0284, 11.9741,
12.8242

263.3595,
299.3224, 324.0788

 4.8170, 6.7260,
7.1783

314.8893,

 2.1739, 3.2914,

356.3138, 385.9067

3.4937

372.7371,
420.1156, 455.1370

0.7289, 1.2857,
1.3519

0.0000, 0.1301,
0.1038

66.3989, 78.8688,
85.1224

66.3989, 78.8688,
85.1224

60.1049, 75.7171,
80.7233

73.7112, 82.5465,
89.7117

54.7738, 73.0567,
76.5054

82.0801, 86.7638,
94.4892

50.3554, 70.8637,
72.4667

88.9266, 90.1931,
99.3372

46.7918, 69.1085,
68.6031

89.8216, 90.5511,
104.0497

■ 44.0188, 67.7578,
64.9101

■ 90.4515, 90.8031,
107.3672

■ 41.9623, 66.7736,
61.3830

■ 40.5342, 66.1104,
58.0162

■ 39.6456, 65.7167,
55.0634

Harmonies

Analogous

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



67.6291, 78.8688, 73.1460



66.3989, 78.8688, 85.1224



67.3835, 78.8688, 98.5610

Triad

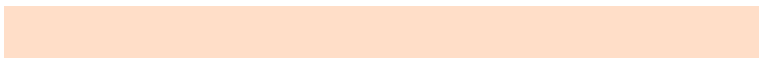
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



66.3989, 78.8688, 85.1224



79.2703, 78.8688, 110.3747



79.7449, 78.8688, 65.9289

Complementary

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



66.3989, 78.8688, 85.1224



65.0121, 59.6185, 63.9615

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.



83.0894, 78.8688, 74.3266



66.3989, 78.8688, 85.1224



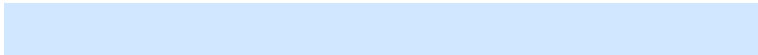
82.8075, 78.8688, 100.0005

Square

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



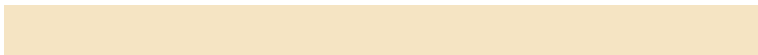
66.3989, 78.8688, 85.1224



74.6993, 78.8688, 114.0103



84.2323, 78.8688, 86.6315



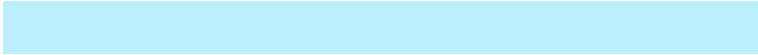
75.2262, 78.8688, 62.7965

Rectangle

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



66.3989, 78.8688, 85.1224



69.1871, 78.8688, 106.3878



84.2323, 78.8688, 86.6315



81.0506, 78.8688, 68.1840

Sweetspot

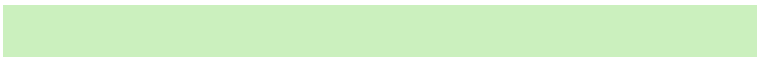
The Sweet Spot groups the original color and five complimentary colors.



66.4011, 78.8721, 85.1242



89.0576, 96.9785, 105.5623



64.9495, 78.6677, 60.4777



18.9282, 20.6900, 22.5179



0.0000, 0.0000, 0.0000



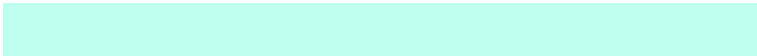
20.3446, 21.4041, 23.3091

Same Dimension

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



66.4011, 78.8721, 85.1242



72.9919, 88.9021, 95.5148



64.5719, 72.4534, 93.0235



16.0757, 17.8603, 19.4214



21.7563, 35.9945, 30.4293



1.8484, 3.0098, 2.7339

Inverse Universe

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



65.0121, 59.6185, 63.9615



71.1333, 63.1139, 67.1786



66.4701, 64.7214, 57.7056



15.9283, 15.8210, 17.1788



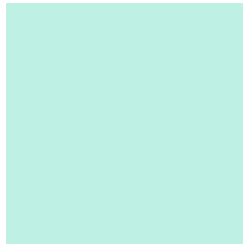
20.1275, 10.3234, 3.3219



1.7122, 0.8739, 0.4752

Previews

White Background



This preview shows how the XYZ color 66.3989, 78.8688, 85.1224 looks on a white background.

Color Contrast Check

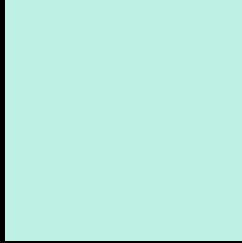
Large Text (above 18pt) WCAG AA × Fail

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 66.3989, 78.8688, 85.1224 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

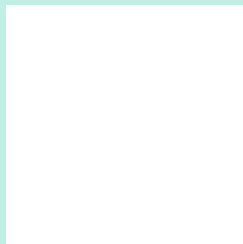
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.3989, 78.8688, 85.1224

Background



This preview shows how black text looks on a background with the XYZ color 66.3989, 78.8688, 85.1224.



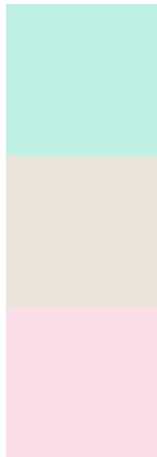
This preview shows how white text looks on a background with the XYZ color 66.3989, 78.8688,

85.1224.

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

66.3989, 78.8688, 85.1224

Protanopia

75.0555, 78.3694, 79.5776

Deuteranopia

80.1111, 78.3927, 87.2529



Tritanopia

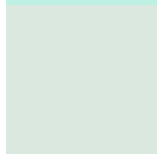
70.5511, 78.8130, 106.1017

Trichromacy



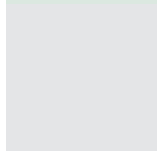
Original Color

66.3989, 78.8688, 85.1224



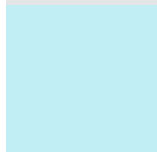
Protanomaly

71.5246, 78.1551, 81.8367



Deuteranomaly

74.4380, 78.3021, 86.7918



Tritanomaly

68.7579, 78.4984, 97.9140

Monochromacy



Original Color

66.3989, 78.8688, 85.1224



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

69.0388, 76.0269, 82.2701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3989, 78.8688, 85.1224 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(190, 240, 228)` looks like.

```
.text, #text, p{  
    color:rgb(190, 240, 228)  
}
```

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(190, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 240, 228) }
```

Border

The CSS property to change the border of an element to XYZ 66.3989, 78.8688, 85.1224 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(190, 240, 228) }
```


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

```
.border{ border-color:rgb(190, 240, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 240, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 240, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 240, 228);  
box-shadow:4px 4px 4px 4px rgb(190, 240,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3989, 78.8688, 85.1224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 240, 228) }
```

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

```
.background{ background-color: rgb(190,  
240, 228) }
```

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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