

Converting Colors

XYZ(67.8798, 78.9626, 95.6681)

Have a look what the booklet for
XYZ(67.8798, 78.9626, 95.6681)
contains.

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Color

**XYZ(67.8798, 78.9626,
95.6681)**

Conversions

Conversions Part 1

Format	Color
Hex	BDEFF2
RGB	189, 239, 242
RGB Percent	74%, 94%, 95%
CMY	0.2588, 0.0627, 0.0510
CMYK	0.22, 0.01, 0.00, 0.05
HSL	183°, 67%, 85%
HSV	183°, 22%, 95%
XYZ	67.8798, 78.9626, 95.6681
YIQ	224.3920, -30.7630, -9.6670

Conversions

Conversions Part 2

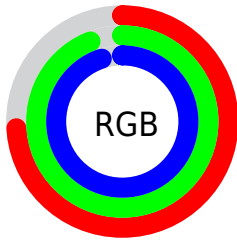
Format	Color
R _Y B	189, 215, 242
Decimal	12447730
CIE Lab	91.22, -15.22, -6.70
CIE LCh	91, 16.626, 203.765
Yxy	78.9626, 0.2799, 0.3256
Android (android.graphics.Color)	4290637810 (0xFFBDEFF2)
YUV	224.3920, 8.6807, -31.0388
Hunter-Lab	88.8609, -19.1525, -1.6293

Details

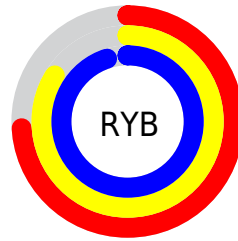
The XYZ color **67.8798, 78.9626, 95.6681** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.6538, 60.2510, 56.3677**, and the grayscale version is **71.0894, 74.7915, 81.4480**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.6279, 42.4805, 52.7761** is the 20% darker color. If you saturate the color by 10%, you get **61.9720, 75.3265, 95.2789**, and if you desaturate by 10%, it is **74.7968, 83.1275, 96.1087**.

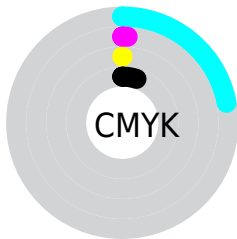
Distribution



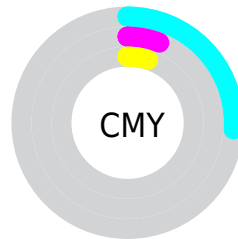
- Red (74%)
- Green (94%)
- Blue (95%)



- Red (74%)
- Yellow (84%)
- Blue (95%)



- Cyan (22%)
- Magenta (1%)
- Yellow (0%)
- Black (5%)



- Cyan (26%)
- Magenta (6%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8798, 78.9626, 95.6681 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 67.8798, 78.9626, 95.6681 by changing the saturation by 10% instead.

67.8798, 78.9626,
95.6681

67.8798, 78.9626,
95.6681

442.4534,
491.4298, 567.3405

50.0733, 58.8651,
72.0912

115.2230,
131.9062, 157.1908

35.6897, 42.5045,
52.7459

145.4904,
165.5211, 195.9737

24.3636, 29.4965,
37.2136

180.6422,
204.4105, 240.6623

15.7298, 19.4568,
25.0758

221.0436,
248.9589, 291.6752

9.4228, 12.0008,
15.9140

267.0601,
299.5506, 349.4310

5.0773, 6.7442,
9.3096

319.0570,

2.3279, 3.3027,

356.5701, 414.3481

4.8441

377.3997,
420.4017, 486.8451

0.8089, 1.2917,
2.0990

0.0000, 0.1348,
0.6152

67.8798, 78.9626,
95.6681

67.8798, 78.9626,
95.6681

61.9720, 75.3265,
95.2789

74.7968, 83.1275,
96.1087

57.0169, 72.1840,
94.9335

82.7624, 87.8355,
96.5976

52.9628, 69.5105,
94.6312

89.3508, 91.8380,
97.0229

49.7505, 67.2754,
94.3691

89.7622, 92.6607,
97.1601

■ 47.3136, 65.4445,
94.1441

■ 90.1766, 93.4895,
97.2982

■ 45.5757, 63.9784,
93.9527

■ 90.5940, 94.3244,
97.4373

■ 44.4448, 62.8297,
93.7906

■ 91.0145, 95.1655,
97.5775

■ 43.8579, 62.0721,
93.6753

■ 91.4382, 96.0127,
97.7187

■ 91.8648, 96.8661,
97.8610

Harmonies

Analogous

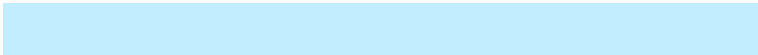
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.2840, 78.9626, 83.4819



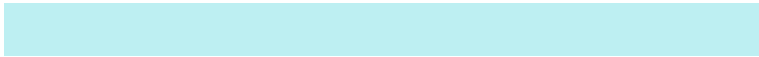
67.8798, 78.9626, 95.6681



70.3648, 78.9626, 106.0784

Triad

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



67.8798, 78.9626, 95.6681



81.7764, 78.9626, 100.4310



75.9348, 78.9626, 64.9166

Complementary

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



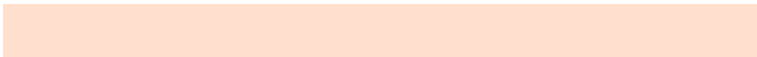
67.8798, 78.9626, 95.6681



64.6538, 60.2510, 56.3677

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.



79.9420, 78.9626, 68.5901



67.8798, 78.9626, 95.6681



83.3951, 78.9626, 88.5210

Square

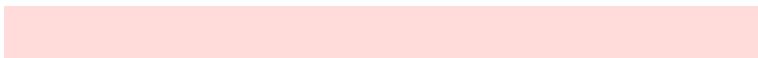
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.8798, 78.9626, 95.6681



78.3633, 78.9626, 109.0031



82.7115, 78.9626, 76.9632



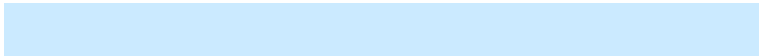
71.8345, 78.9626, 66.4457

Rectangle

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



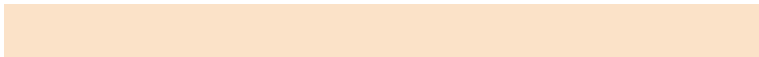
67.8798, 78.9626, 95.6681



72.8097, 78.9626, 110.2282



82.7115, 78.9626, 76.9632



77.3390, 78.9626, 65.5720

Sweetspot

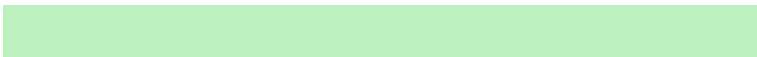
The Sweet Spot groups the original color and five complimentary colors.



67.8821, 78.9658, 95.6699



88.4640, 96.1280, 108.4998



62.2156, 78.1148, 61.4663



18.8194, 20.5070, 23.2163



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.



67.8821, 78.9658, 95.6699



73.5375, 87.1517, 107.5539



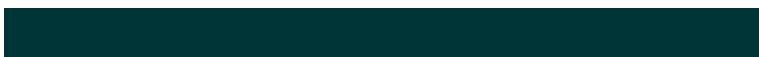
60.7714, 64.7443, 93.2996



16.1663, 17.7668, 20.2989



23.5952, 33.4146, 50.3339



1.9861, 2.8261, 4.1950

Inverse Universe

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



70.3974, 61.5062, 89.8265



76.8253, 64.5071, 99.8762



70.9150, 72.7736, 58.4548



16.4134, 16.0151, 19.7332



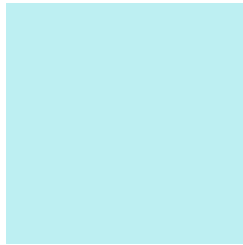
27.2354, 13.1666, 40.7516



2.2774, 1.1000, 3.4517

Previews

White Background



This preview shows how the XYZ color 67.8798, 78.9626, 95.6681 looks on a white background.

Color Contrast Check

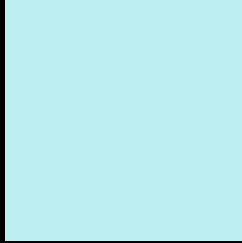
Large Text (above 18pt) WCAG AA × Fail

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 67.8798, 78.9626, 95.6681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

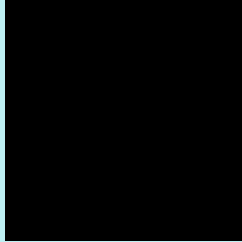
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8798, 78.9626, 95.6681

Background



This preview shows how black text looks on a background with the XYZ color 67.8798, 78.9626, 95.6681.



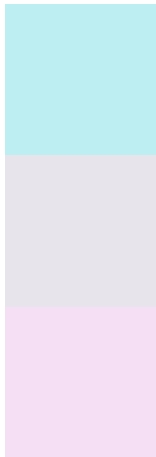
This preview shows how white text looks on a background with the XYZ color 67.8798, 78.9626,

95.6681.

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

67.8798, 78.9626, 95.6681

Protanopia

75.6938, 78.4739, 89.7547

Deuteranopia

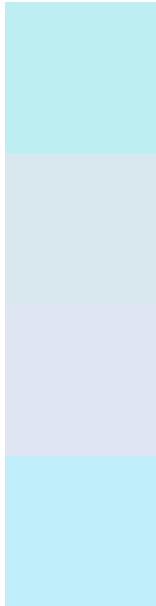
80.1773, 78.6010, 97.3319



Tritanopia

70.3265, 79.1258, 106.1740

Trichromacy



Original Color

67.8798, 78.9626, 95.6681

Protanomaly

72.6081, 78.4852, 92.2112

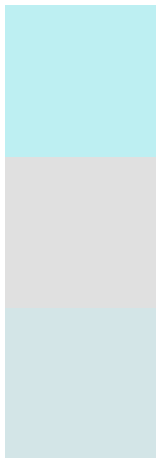
Deuteranomaly

75.0889, 78.4176, 96.7664

Tritanomaly

69.5681, 79.2577, 102.0741

Monochromacy



Original Color

67.8798, 78.9626, 95.6681

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.3071, 75.6570, 86.5517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8798, 78.9626, 95.6681 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(189, 239, 242)` looks like.

```
.text, #text, p{  
    color:rgb(189, 239, 242)  
}
```

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(189, 239, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 239, 242) }
```

Border

The CSS property to change the border of an element to XYZ 67.8798, 78.9626, 95.6681 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(189, 239, 242) }
```


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

```
.border{ border-color:rgb(189, 239, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 239, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 239, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 239, 242);  
box-shadow:4px 4px 4px 4px rgb(189, 239,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8798, 78.9626, 95.6681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 239, 242) }
```

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

```
.background{ background-color: rgb(189,  
239, 242) }
```

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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