

Converting Colors

XYZ(67.6678, 76.4401, 88.2802)

Have a look what the booklet for
XYZ(67.6678, 76.4401, 88.2802)
contains.

| | |
|--|----|
| XYZ(67.6663, 76.4404, 88.2789) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(67.6663, 76.4404,
88.2789)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C8E9E9 |
| RGB | 200, 233, 233 |
| RGB Percent | 78%, 91%, 91% |
| CMY | 0.2157, 0.0863, 0.0863 |
| CMYK | 0.14, 0.00, 0.00, 0.09 |
| HSL | 180°, 43%, 85% |
| HSV | 180°, 14%, 91% |
| XYZ | 67.6663, 76.4404, 88.2789 |
| YIQ | 223.1330, -19.6680, -6.9960 |

Conversions

Conversions Part 2

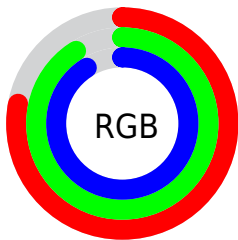
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 200, 217, 233 |
| Decimal | 13167081 |
| CIE Lab | 90.06, -10.71, -3.62 |
| CIE LCh | 90, 11.308, 198.697 |
| Yxy | 76.4404, 0.2912, 0.3289 |
| Android (android.graphics.Color) | 4291357161 (0xFFC8E9E9) |
| YUV | 223.1330, 4.8644, -20.2876 |
| Hunter-Lab | 87.4302, -14.8534, 1.3356 |

Details

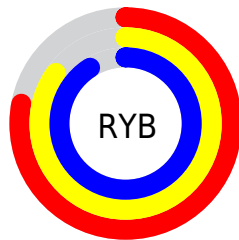
The XYZ color **67.6663, 76.4404, 88.2789** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.6866, 62.8044, 63.3600**, and the grayscale version is **70.2121, 73.8686, 80.4429**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5120, 40.7296, 47.5849** is the 20% darker color. If you saturate the color by 10%, you get **61.9118, 73.4759, 88.0094**, and if you desaturate by 10%, it is **74.3736, 79.9001, 88.5962**.

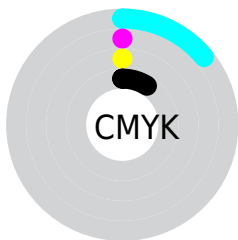
Distribution



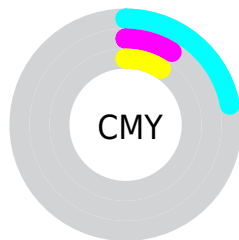
- Red (78%)
- Green (91%)
- Blue (91%)



- Red (78%)
- Yellow (85%)
- Blue (91%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (22%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6663, 76.4404, 88.2789 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 67.6663, 76.4404, 88.2789 by changing the saturation by 10% instead.

67.6663, 76.4404,
88.2789

67.6663, 76.4404,
88.2789

441.7081,
482.8539, 542.8411

49.8990, 56.7937,
65.9884

114.9192,
128.3492, 146.8599

35.5506, 40.8396,
47.8066

145.1354,
161.3802, 183.9876

24.2558, 28.1938,
33.3148

180.2321,
199.6413, 226.8980

15.6493, 18.4718,
22.0947

220.5744,
243.5171, 276.0098

9.3656, 11.2892,
13.7275

266.5278,
293.3918, 331.7414

5.0394, 6.2617,
7.7948

318.4577,

2.3054, 3.0049,

349.6499, 394.5115

3.8780

376.7293,
412.6758, 464.7386

0.7974, 1.1343,
1.5587

0.0000, 0.0070,
0.2611

67.6663, 76.4404,
88.2789

67.6663, 76.4404,
88.2789

61.9118, 73.4759,
88.0094

74.3736, 79.9001,
88.5962

57.0606, 70.9751,
87.7807


82.0671, 83.8663,
88.9580


53.0689, 68.9173,
87.5921

85.0895, 85.4243,
89.1011


49.8866, 67.2768,
87.4414

85.0899, 85.4245,
89.1029


 47.4584, 66.0251,
87.3260


 85.0902, 85.4246,
89.1047


 45.7221, 65.1300,
87.2430


 85.0906, 85.4247,
89.1064


 44.6055, 64.5544,
87.1890

 85.0909, 85.4249,
89.1082

 44.0208, 64.2530,
87.1599

 85.0912, 85.4250,
89.1100

 43.8457, 64.1628,
87.1507

 85.0916, 85.4251,
89.1117

Harmonies

Analogous

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



67.4948, 76.4404, 80.2409



67.6663, 76.4404, 88.2789



69.1537, 76.4404, 95.3768

Triad

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



67.6663, 76.4404, 88.2789



76.7801, 76.4404, 93.8433



73.7161, 76.4404, 68.9895

Complementary

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



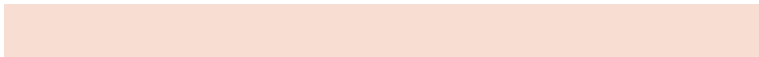
67.6663, 76.4404, 88.2789



64.6866, 62.8044, 63.3600

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.



76.2711, 76.4404, 72.1620



67.6663, 76.4404, 88.2789



78.0702, 76.4404, 86.2936

Square

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



67.6663, 76.4404, 88.2789



74.3963, 76.4404, 98.7292



77.8816, 76.4404, 78.3785



70.9397, 76.4404, 69.4453

Rectangle

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



67.6663, 76.4404, 88.2789



70.7132, 76.4404, 98.4604



77.8816, 76.4404, 78.3785



74.6306, 76.4404, 69.6583

Sweetspot

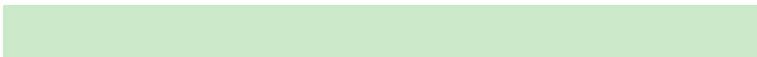
The Sweet Spot groups the original color and five complimentary colors.



67.6685, 76.4436, 88.2806



91.3963, 98.1165, 108.7281



63.5330, 74.8064, 65.7354



19.4202, 20.9276, 23.2656



0.0000, 0.0000, 0.0000



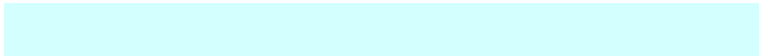
20.3446, 21.4041, 23.3091

Same Dimension

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



67.6685, 76.4436, 88.2806



80.8599, 92.6848, 108.2322



63.3553, 67.8164, 86.8452



15.5177, 17.1219, 19.4089



24.8778, 36.4056, 49.4489



1.9535, 2.8587, 3.8830

Inverse Universe

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



64.6866, 62.8044, 63.3600



76.5362, 72.9082, 72.0978



68.5754, 70.5826, 64.6543



15.0656, 15.0541, 15.6307



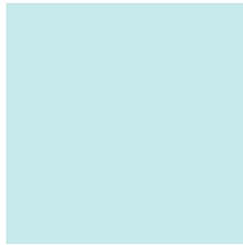
19.0679, 9.8298, 0.8929



1.4973, 0.7719, 0.0702

Previews

White Background



This preview shows how the XYZ color 67.6663, 76.4404, 88.2789 looks on a white background.

Color Contrast Check

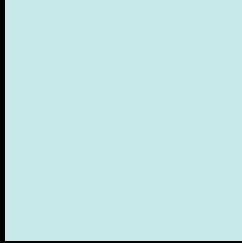
Large Text (above 18pt) WCAG AA × Fail

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 67.6663, 76.4404, 88.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

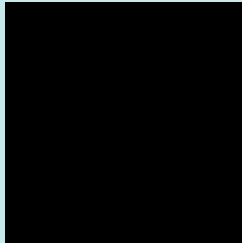
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

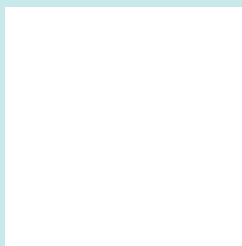
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6663, 76.4404, 88.2789

Background



This preview shows how black text looks on a background with the XYZ color 67.6663, 76.4404, 88.2789.

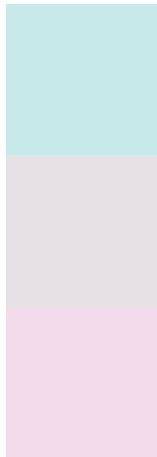


This preview shows how white text looks on a background with the XYZ color 67.6663, 76.4404,

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

67.6663, 76.4404, 88.2789

Protanopia

73.2419, 76.1099, 84.2292

Deuteranopia

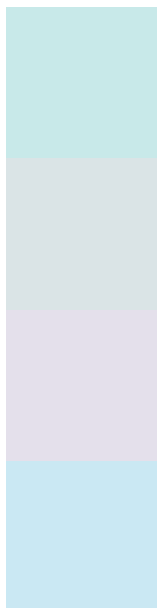
77.7801, 75.9523, 89.9177



Tritanopia

70.3034, 76.6879, 100.7194

Trichromacy



Original Color

67.6663, 76.4404, 88.2789

Protanomaly

70.9398, 76.1054, 85.8138

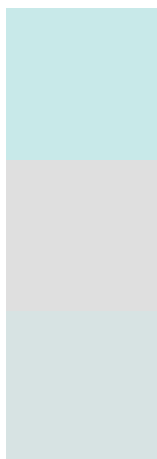
Deuteranomaly

73.6460, 75.8034, 89.3472

Tritanomaly

69.3914, 76.7408, 95.9492

Monochromacy



Original Color

67.6663, 76.4404, 88.2789

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.3585, 74.9313, 83.4806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6663, 76.4404, 88.2789 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(200, 233, 233)` looks like.

```
.text, #text, p{  
    color:rgb(200, 233, 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(200, 233, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 233, 233) }
```

Border

The CSS property to change the border of an element to XYZ 67.6663, 76.4404, 88.2789 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(200, 233, 233) }
```


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

```
.border{ border-color:rgb(200, 233, 233) }
```

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

Here you see how a box with a 4 pixel rgb(200, 233, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 233, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 233, 233);  
box-shadow:4px 4px 4px 4px rgb(200, 233,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6663, 76.4404, 88.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 233, 233) }
```

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

```
.background{ background-color: rgb(200,  
233, 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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