

Converting Colors

XYZ(50.3527, 63.9044, 83.4328)

Have a look what the booklet for
XYZ(50.3527, 63.9044, 83.4328)
contains.

XYZ(50.3321, 63.8993, 83.0798)	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(50.3321, 63.8993,
83.0798)**

Conversions

Conversions Part 1

Format	Color
Hex	85E0E4
RGB	133, 224, 228
RGB Percent	52%, 88%, 89%
CMY	0.4784, 0.1216, 0.1059
CMYK	0.42, 0.02, 0.00, 0.11
HSL	183°, 64%, 71%
HSV	183°, 42%, 89%
XYZ	50.3321, 63.8993, 83.0798
YIQ	197.2470, -55.5200, -18.0480

Conversions

Conversions Part 2

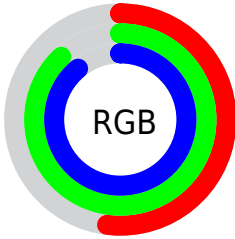
Format	Color
RYB	133, 179, 228
Decimal	8773860
CIELab	83.91, -26.14, -10.49
CIELCh	84, 28.169, 201.870
Yxy	63.8993, 0.2551, 0.3239
Android (android.graphics.Color)	4286963940 (0xFF85E0E4)
YUV	197.2470, 15.1612, -56.3446
Hunter-Lab	79.9370, -27.4979, -5.6651

Details

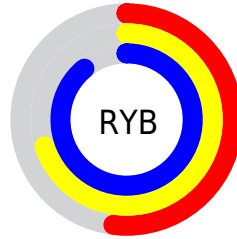
The XYZ color **50.3321, 63.8993, 83.0798** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.1752, 36.0796, 26.7748**, and the grayscale version is **53.1570, 55.9253, 60.9027**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **24.4471, 32.5182, 44.5233** is the 20% darker color. If you saturate the color by 10%, you get **46.8592, 61.7287, 82.8450**, and if you desaturate by 10%, it is **54.5915, 66.4805, 83.3546**.

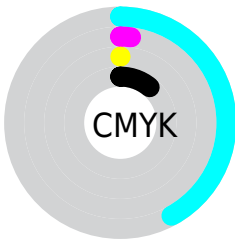
Distribution



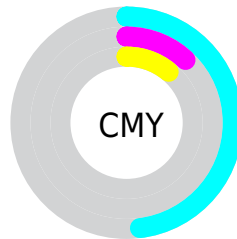
- Red (52%)
- Green (88%)
- Blue (89%)



- Red (52%)
- Yellow (70%)
- Blue (89%)



- Cyan (42%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (48%)
- Magenta (12%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.3321, 63.8993, 83.0798 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 50.3321, 63.8993, 83.0798 by changing the saturation by 10% instead.

50.3321, 63.8993,
83.0798

50.3321, 63.8993,
83.0798

378.3938,
438.8259, 525.2304

35.8962, 46.5691,
61.7150

89.8556, 110.4659,
139.5375

24.5238, 32.6952,
44.3681

115.6740,
140.4711, 175.4674

15.8495, 21.8930,
30.6207

146.0172,
175.4701, 217.0894

9.5079, 13.7783,
20.0542

181.2506,
215.8473, 264.8221

5.1336, 7.9666,
12.2500

221.7397,
261.9871, 319.0841

2.3615, 4.0736,
6.7895

267.8496,

0.8258, 1.7148,

314.2739, 380.2937

3.2544

319.9459,
373.0920, 448.8696

■ 0.0000, 0.4332,
1.2259

■ 0.0000, 0.0000,
0.0000

■ 50.3321, 63.8993,
83.0798

■ 50.3321, 63.8993,
83.0798

■ 46.8592, 61.7287,
82.8450

■ 54.5915, 66.4805,
83.3546

■ 44.1159, 59.9349,
82.6433

■ 59.6783, 69.4889,
83.6672

■ 42.0472, 58.4911,
82.4737

■ 65.6370, 72.9490,
84.0210

■ 40.5874, 57.3632,
82.3329

■ 72.5076, 76.8813,
84.4179

■ 39.6579, 56.5109,
82.2174

■ 80.3276, 81.3052,
84.8596

■ 39.1809, 55.9556,
82.1354

■ 83.4741, 83.3220,
85.0831

■ 83.7414, 83.8568,
85.1722

■ 84.0103, 84.3945,
85.2618

■ 84.2806, 84.9352,
85.3520

Harmonies

Analogous

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



49.6838, 63.8993, 64.8594



50.3321, 63.8993, 83.0798



53.6690, 63.8993, 100.0254

Triad

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



50.3321, 63.8993, 83.0798



70.5997, 63.8993, 92.8493



62.4354, 63.8993, 40.9615

Complementary

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



50.3321, 63.8993, 83.0798



45.1752, 36.0796, 26.7748

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.



68.3941, 63.8993, 46.0325



50.3321, 63.8993, 83.0798



73.3128, 63.8993, 74.5148

Square

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



50.3321, 63.8993, 83.0798



65.2828, 63.8993, 106.3006



72.4794, 63.8993, 57.6201



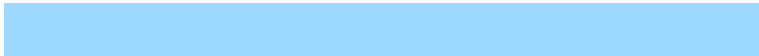
56.4022, 63.8993, 42.4640

Rectangle

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



50.3321, 63.8993, 83.0798



57.1009, 63.8993, 107.3145



72.4794, 63.8993, 57.6201



64.5188, 63.8993, 41.9182

Sweetspot

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



50.3340, 63.9018, 83.0813



84.2652, 93.8324, 108.2780



41.8734, 62.2569, 33.1660



17.8074, 19.9519, 23.1625



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.



50.3340, 63.9018, 83.0813



60.9492, 79.9149, 106.8205



39.4659, 42.1657, 79.4586



14.7527, 16.2269, 18.4989



22.6469, 32.3559, 47.4349



1.6898, 2.4234, 3.5107

Inverse Universe

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



53.8385, 38.6524, 75.1468



66.0922, 43.4474, 95.0451



53.3012, 52.3316, 29.4835



14.9675, 14.6042, 18.0294



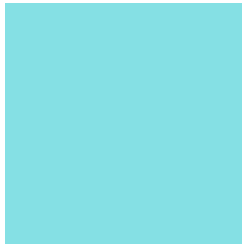
25.8246, 12.4641, 39.5670



1.9165, 0.9243, 2.9670

Previews

White Background



This preview shows how the XYZ color 50.3321, 63.8993, 83.0798 looks on a white background.

Color Contrast Check

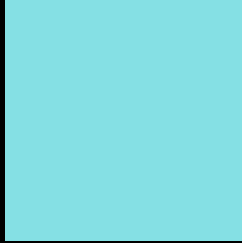
Large Text (above 18pt) WCAG AA × Fail

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 50.3321, 63.8993, 83.0798 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

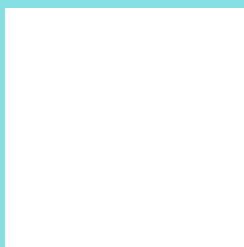
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3321, 63.8993, 83.0798

Background



This preview shows how black text looks on a background with the XYZ color 50.3321, 63.8993, 83.0798.

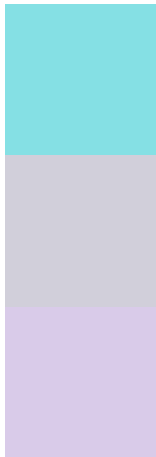


This preview shows how white text looks on a background with the XYZ color 50.3321, 63.8993,

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

50.3321, 63.8993, 83.0798

Protanopia

61.2622, 63.2429, 75.3079

Deuteranopia

64.6792, 63.3468, 85.9090



Tritanopia

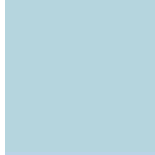
52.0028, 63.7681, 92.0057

Trichromacy



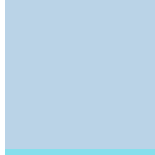
Original Color

50.3321, 63.8993, 83.0798



Protanomaly

56.0351, 62.6862, 78.2535



Deuteranomaly

57.9678, 62.7972, 84.6671



Tritanomaly

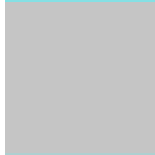
51.5197, 63.9824, 88.9913

Monochromacy



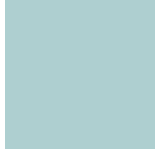
Original Color

50.3321, 63.8993, 83.0798



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

51.1535, 58.1784, 68.2080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3321, 63.8993, 83.0798 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(133, 224, 228)` looks like.

```
.text, #text, p{  
    color:rgb(133, 224, 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(133, 224, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 224, 228) }
```

Border

The CSS property to change the border of an element to XYZ 50.3321, 63.8993, 83.0798 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(133, 224, 228) }
```


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

```
.border{ border-color:rgb(133, 224, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 224, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 224, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 224, 228);  
box-shadow:4px 4px 4px 4px rgb(133, 224,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3321, 63.8993, 83.0798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 224, 228) }
```

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

```
.background{ background-color: rgb(133,  
224, 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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