

Converting Colors

XYZ(48.5046, 63.3063, 85.2822)

Have a look what the booklet for
XYZ(48.5046, 63.3063, 85.2822)
contains.

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Color

**XYZ(48.5515, 63.3330,
85.2669)**

Conversions

Conversions Part 1

Format	Color
Hex	74E1E7
RGB	116, 225, 231
RGB Percent	45%, 88%, 91%
CMY	0.5451, 0.1176, 0.0941
CMYK	0.50, 0.03, 0.00, 0.09
HSL	183°, 71%, 68%
HSV	183°, 50%, 91%
XYZ	48.5515, 63.3330, 85.2669
YIQ	193.0930, -66.8900, -21.2420

Conversions

Conversions Part 2

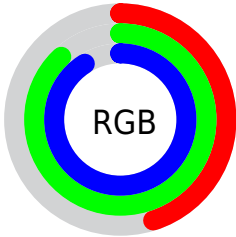
Format	Color
RYB	116, 172, 231
Decimal	7660007
CIELab	83.62, -29.69, -12.59
CIELCh	84, 32.254, 202.982
Yxy	63.3330, 0.2463, 0.3212
Android (android.graphics.Color)	4285850087 (0xFF74E1E7)
YUV	193.0930, 18.6882, -67.6106
Hunter-Lab	79.5820, -30.3691, -7.8179

Details

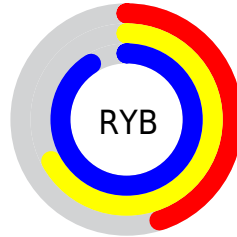
The XYZ color **48.5515, 63.3330, 85.2669** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **43.0681, 32.1701, 20.4641**, and the grayscale version is **50.6667, 53.3054, 58.0495**.

A 20% lighter version of the original color is **71.4892, 87.8540, 107.7974**, and **23.2911, 32.1749, 45.5402** is the 20% darker color. If you saturate the color by 10%, you get **45.5303, 61.2951, 85.0339**, and if you desaturate by 10%, it is **52.3422, 65.7739, 85.5394**.

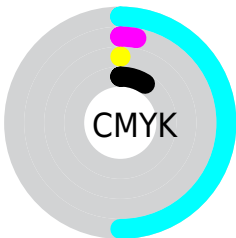
Distribution



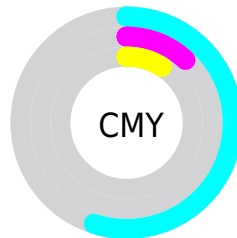
- Red (45%)
- Green (88%)
- Blue (91%)



- Red (45%)
- Yellow (67%)
- Blue (91%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (55%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5515, 63.3330, 85.2669 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 48.5515, 63.3330, 85.2669 by changing the saturation by 10% instead.

48.5515, 63.3330,
85.2669

48.5515, 63.3330,
85.2669

371.5203,
436.7770, 532.6784

34.4769, 46.1107,
63.5105

87.2297, 109.6498,
142.6235

23.4248, 32.3332,
45.8107

112.5640,
139.5130, 179.0608

15.0299, 21.6161,
31.7489

142.3823,
174.3587, 221.2288

8.9268, 13.5751,
20.9065

177.0499,
214.5711, 269.5460

4.7502, 7.8257,
12.8651

216.9321,
260.5348, 324.4311

2.1347, 3.9836,
7.2061

262.3943,

0.7080, 1.6644,

312.6341, 386.3025

3.5109

313.8020,
371.2533, 455.5787

■ 0.0000, 0.4005,
1.3611

■ 0.0000, 0.0000,
0.1111

■ 48.5515, 63.3330,
85.2669

■ 48.5515, 63.3330,
85.2669

■ 45.5303, 61.2951,
85.0339

■ 52.3422, 65.7739,
85.5394

■ 43.2151, 59.6232,
84.8332

■ 56.9484, 68.6371,
85.8493


■ 41.5421, 58.2857,
84.6632


■ 62.4192, 71.9495,
86.2003


■ 40.4330, 57.2423,
84.5203

■ 68.7983, 75.7336,
86.5945


 39.7566, 56.4253,
84.3982


 76.1263, 80.0103,
87.0337

 39.7434, 56.4083,
84.3957

 84.4414, 84.7993,
87.5198

 84.9270, 85.5555,
87.6402

 85.2701, 86.2417,
87.7546

 85.6155, 86.9325,
87.8697

Harmonies

Analogous

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



47.7115, 63.3330, 64.3206



48.5515, 63.3330, 85.2669



52.3929, 63.3330, 104.8616

Triad

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



48.5515, 63.3330, 85.2669



71.6897, 63.3330, 95.0926



61.8687, 63.3330, 37.1407

Complementary

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



48.5515, 63.3330, 85.2669



43.0681, 32.1701, 20.4641

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.



68.7380, 63.3330, 42.3582



48.5515, 63.3330, 85.2669



74.6882, 63.3330, 73.8150

Square

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



48.5515, 63.3330, 85.2669



65.6494, 63.3330, 111.2641



73.5680, 63.3330, 54.8752



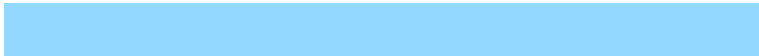
55.0535, 63.3330, 39.0202

Rectangle

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



48.5515, 63.3330, 85.2669



56.3127, 63.3330, 113.1770



73.5680, 63.3330, 54.8752



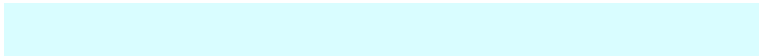
64.2541, 63.3330, 38.0819

Sweetspot

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



48.5534, 63.3354, 85.2684



81.7179, 92.1872, 108.0947



39.2772, 62.2651, 28.2811



17.1361, 19.5208, 23.1147



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.



48.5534, 63.3354, 85.2684



56.7964, 76.5786, 106.3954



35.5844, 37.3973, 80.9454



14.7397, 16.2007, 18.4945



22.3095, 31.6812, 47.3224



1.6685, 2.3808, 3.5036

Inverse Universe

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



52.7926, 34.9176, 75.1942



62.7830, 37.4794, 91.9371



52.2791, 50.5921, 23.5344



14.9609, 14.6016, 17.9947



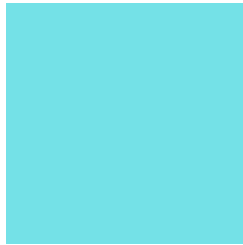
25.6543, 12.3960, 38.6703



1.9058, 0.9200, 2.9104

Previews

White Background



This preview shows how the XYZ color 48.5515, 63.3330, 85.2669 looks on a white background.

Color Contrast Check

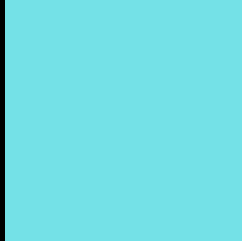
Large Text (above 18pt) WCAG AA × Fail

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 48.5515, 63.3330, 85.2669 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 48.5515, 63.3330, 85.2669

Background



This preview shows how black text looks on a background with the XYZ color 48.5515, 63.3330, 85.2669.

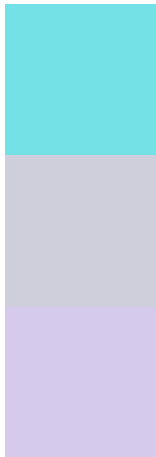


This preview shows how white text looks on a background with the XYZ color 48.5515, 63.3330,

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

48.5515, 63.3330, 85.2669

Protanopia

60.5896, 62.5225, 75.8925

Deuteranopia

63.9924, 62.5933, 88.0658



Tritanopia

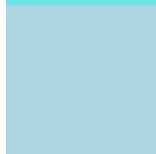
50.0106, 63.1193, 92.7665

Trichromacy



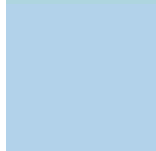
Original Color

48.5515, 63.3330, 85.2669



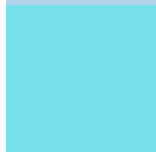
Protanomaly

54.5691, 61.9149, 78.8867



Deuteranomaly

56.2580, 61.4987, 86.7472



Tritanomaly

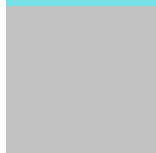
49.5495, 63.3477, 89.7366

Monochromacy



Original Color

48.5515, 63.3330, 85.2669



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.6109, 56.1670, 67.3107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5515, 63.3330, 85.2669 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(116, 225, 231)` looks like.

```
.text, #text, p{  
    color:rgb(116, 225, 231)  
}
```

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(116, 225, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 225, 231) }
```

Border

The CSS property to change the border of an element to XYZ 48.5515, 63.3330, 85.2669 is called "border". The border property can be set on classes, ids or directly on the HTML element.

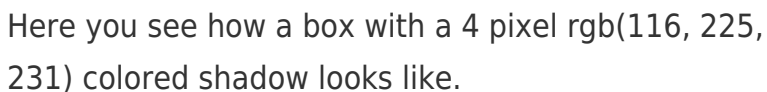
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 225, 231) }
```


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

```
.border{ border-color:rgb(116, 225, 231) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 225, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 225, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 225, 231);  
box-shadow:4px 4px 4px 4px rgb(116, 225,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5515, 63.3330, 85.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 225, 231) }
```

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

```
.background{ background-color: rgb(116,  
225, 231) }
```

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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