

Converting Colors

XYZ(47.0053, 63.0878, 96.8885)

Have a look what the booklet for
XYZ(47.0053, 63.0878, 96.8885)
contains.

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Color

**XYZ(47.0053, 63.0878,
96.8885)**

Conversions

Conversions Part 1

Format	Color
Hex	4BE3F6
RGB	75, 227, 246
RGB Percent	29%, 89%, 96%
CMY	0.7058, 0.1098, 0.0353
CMYK	0.70, 0.08, 0.00, 0.04
HSL	187°, 90%, 63%
HSV	187°, 70%, 96%
XYZ	47.0053, 63.0878, 96.8885
YIQ	183.7180, -96.6910, -26.3150

Conversions

Conversions Part 2

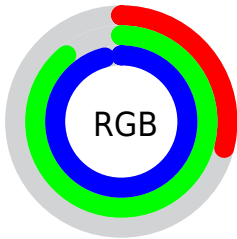
Format	Color
R_{YB}	75, 155, 246
Decimal	4973558
CIE _{Lab}	83.49, -33.43, -20.84
CIE _{LCh}	83, 39.390, 211.937
Yxy	63.0878, 0.2271, 0.3048
Android (android.graphics.Color)	4283163638 (0xFF4BE3F6)
YUV	183.7180, 30.7050, -95.3457
Hunter-Lab	79.4278, -33.3626, -16.7243

Details

The XYZ color **47.0053, 63.0878, 96.8885** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **43.2805, 28.1084, 9.8030**, and the grayscale version is **45.2813, 47.6395, 51.8794**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **23.8572, 32.8435, 53.7972** is the 20% darker color. If you saturate the color by 10%, you get **44.6988, 60.7990, 96.5695**, and if you desaturate by 10%, it is **50.0710, 65.7882, 97.2493**.

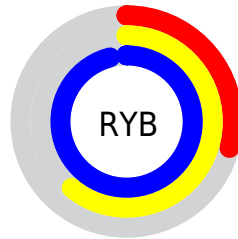
Distribution



Red (29%)

Green (89%)

Blue (96%)



Red (29%)

Yellow (61%)

Blue (96%)

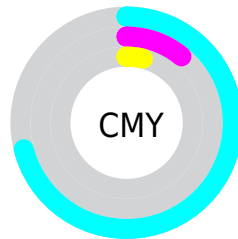


Cyan (70%)

Magenta (8%)

Yellow (0%)

Black (4%)



Cyan (71%)


Magenta (11%)


Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0053, 63.0878, 96.8885 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 47.0053, 63.0878, 96.8885 by changing the saturation by 10% instead.


 47.0053, 63.0878,
96.8885


 47.0053, 63.0878,
96.8885


365.4842,
435.8881, 571.3313


 33.2478, 45.9122,
73.1022


 84.9402, 109.2962,
158.8890


 22.4765, 32.1766,
53.5672

 109.8484,
139.0978, 197.9404

 14.3260, 21.4964,
37.8650


 139.2041,
173.8768, 242.9171

 8.4310, 13.4873,
25.5769

 173.3728,
214.0178, 294.2379

 4.4260, 7.7650,
16.2844

212.7198,
259.9050, 352.3211

 1.9459, 3.9449,
9.5691

257.6105,

 0.6033, 1.6428,

311.9228, 417.5854

5.0124

308.4102,
370.4557, 490.4493

■ 0.0000, 0.3862,
2.1957

■ 0.0000, 0.0000,
0.6719

■ 47.0053, 63.0878,
96.8885

■ 47.0053, 63.0878,
96.8885

■ 44.6988, 60.7990,
96.5695

■ 50.0710, 65.7882,
97.2493

■ 43.0543, 58.8678,
96.2834

■ 53.9666, 68.9328,
97.6510

■ 41.9302, 57.2222,
96.0250

■ 58.7614, 72.5588,
98.0981

■ 41.8800, 57.1443,
96.0126

■ 64.5156, 76.6971,
98.5937

71.2843, 81.3764,
99.1401

79.1182, 86.6229,
99.7399

88.0647, 92.4611,
100.3952

91.7101, 95.5845,
100.8060

92.5605, 97.2853,
101.0894

Harmonies

Analogous

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



44.9186, 63.0878, 70.3037



47.0053, 63.0878, 96.8885



52.5207, 63.0878, 119.4838

Triad

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



47.0053, 63.0878, 96.8885



75.7577, 63.0878, 93.4460



59.4063, 63.0878, 31.4208

Complementary

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



47.0053, 63.0878, 96.8885



43.2805, 28.1084, 9.8030

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.



68.0772, 63.0878, 34.8236



47.0053, 63.0878, 96.8885



78.0396, 63.0878, 67.1049

Square

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



47.0053, 63.0878, 96.8885



69.1353, 63.0878, 117.1854



75.1069, 63.0878, 46.5769



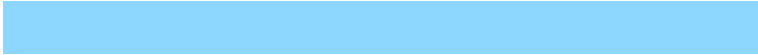
51.6402, 63.0878, 35.8504

Rectangle

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



47.0053, 63.0878, 96.8885



57.6751, 63.0878, 127.0067



75.1069, 63.0878, 46.5769



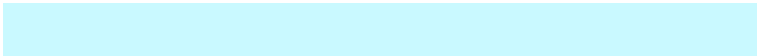
62.3107, 63.0878, 31.6832

Sweetspot

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



47.0073, 63.0901, 96.8900



76.1497, 87.4824, 107.4800



37.7954, 68.1834, 21.3193



15.8504, 18.4168, 22.9693



0.0000, 0.0000, 0.0000



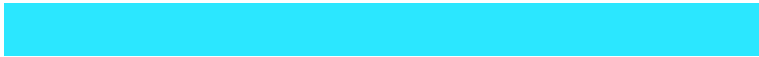
20.3446, 21.4041, 23.3091

Same Dimension

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



47.0073, 63.0901, 96.8900



47.7726, 65.1644, 104.6678



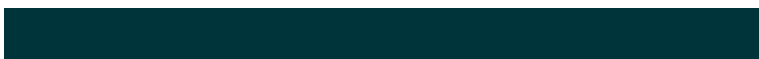
29.4211, 27.9177, 91.0280



16.8303, 18.4248, 21.2119



22.4185, 30.6307, 51.2688



2.0143, 2.7801, 4.5207

Inverse Universe

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



54.3890, 30.1730, 75.6327



56.6089, 28.8102, 78.5376



55.1190, 51.7853, 13.7492



17.1297, 16.7347, 20.4293



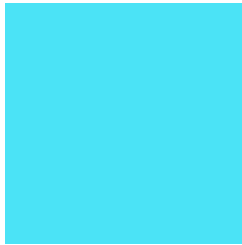
27.1203, 13.1916, 36.9375



2.4058, 1.1683, 3.3633

Previews

White Background



This preview shows how the XYZ color 47.0053, 63.0878, 96.8885 looks on a white background.

Color Contrast Check

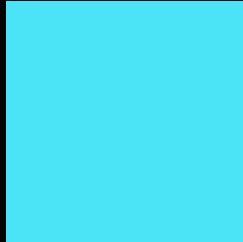
Large Text (above 18pt) WCAG AA × Fail

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 47.0053, 63.0878, 96.8885 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

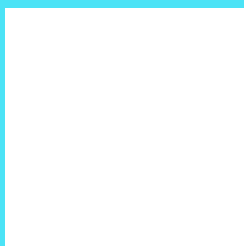
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.0053, 63.0878, 96.8885

Background



This preview shows how black text looks on a background with the XYZ color 47.0053, 63.0878, 96.8885.

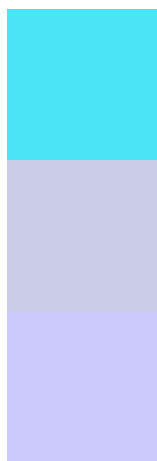


This preview shows how white text looks on a background with the XYZ color 47.0053, 63.0878,

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

47.0053, 63.0878, 96.8885

Protanopia

60.8837, 62.1287, 84.3844

Deuteranopia

63.5931, 62.1067, 100.7315



Tritanopia

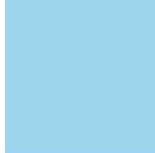
47.0053, 63.0878, 96.8885

Trichromacy



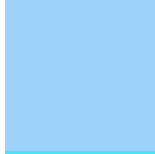
Original Color

47.0053, 63.0878, 96.8885



Protanomaly

52.6449, 60.7125, 88.3009



Deuteranomaly

54.4542, 60.6588, 99.2807



Tritanomaly

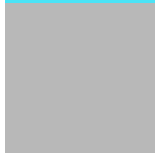
47.0053, 63.0878, 96.8885

Monochromacy



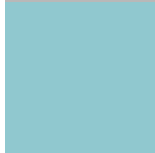
Original Color

47.0053, 63.0878, 96.8885



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

43.4184, 51.7428, 66.7305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0053, 63.0878, 96.8885 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(75, 227, 246)` looks like.

```
.text, #text, p{  
    color:rgb(75, 227, 246)  
}
```

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(75, 227, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 227, 246) }
```

Border

The CSS property to change the border of an element to XYZ 47.0053, 63.0878, 96.8885 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(75, 227, 246) }
```


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

```
.border{ border-color:rgb(75, 227, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 227, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 227, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 227, 246);  
box-shadow:4px 4px 4px 4px rgb(75, 227,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0053, 63.0878, 96.8885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 227, 246) }
```

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

```
.background{ background-color: rgb(75, 227,  
246) }
```

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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