

Converting Colors

XYZ(48.0327, 53.0606, 66.4536)

Have a look what the booklet for
XYZ(48.0327, 53.0606, 66.4536)
contains.

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Color

**XYZ(48.0233, 53.0954,
66.7488)**

Conversions

Conversions Part 1

Format	Color
Hex	ABC5CF
RGB	171, 197, 207
RGB Percent	67%, 77%, 81%
CMY	0.3294, 0.2274, 0.1882
CMYK	0.17, 0.05, 0.00, 0.19
HSL	197°, 27%, 74%
HSV	197°, 17%, 81%
XYZ	48.0233, 53.0954, 66.7488
YIQ	190.3660, -18.7060, -2.4020

Conversions

Conversions Part 2

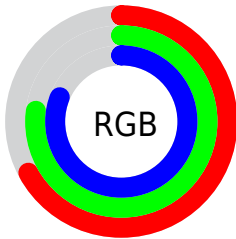
Format	Color
R_{YB}	171, 186, 207
Decimal	11257295
CIE _{Lab}	77.93, -6.64, -7.95
CIE _{LCh}	78, 10.357, 230.127
Yxy	53.0954, 0.2861, 0.3163
Android (android.graphics.Color)	4289447375 (0xFFABC5CF)
YUV	190.3660, 8.2006, -16.9840
Hunter-Lab	72.8666, -9.8747, -3.3055

Details

The XYZ color **48.0233, 53.0954, 66.7488** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6071, 49.2534, 45.4214**, and the grayscale version is **49.1177, 51.6756, 56.2747**.

A 20% lighter version of the original color is **85.1704, 94.4345, 108.3465**, and **23.0434, 25.7964, 33.9017** is the 20% darker color. If you saturate the color by 10%, you get **42.5825, 48.3909, 66.1284**, and if you desaturate by 10%, it is **54.2231, 58.2678, 67.4213**.

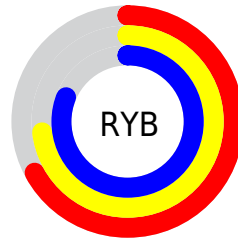
Distribution



Red (67%)

Green (77%)

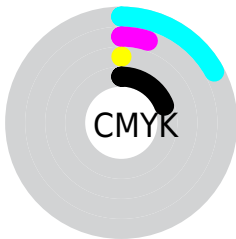
Blue (81%)



Red (67%)

Yellow (73%)

Blue (81%)

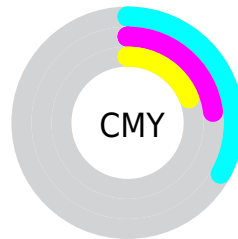


Cyan (17%)

Magenta (5%)

Yellow (0%)

Black (19%)



Cyan (33%)

Magenta (23%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0233, 53.0954, 66.7488 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 48.0233, 53.0954, 66.7488 by changing the saturation by 10% instead.

■ 48.0233, 53.0954,
66.7488

■ 48.0233, 53.0954,
66.7488

369.4655,
398.6510, 467.5272

■ 34.0567, 37.8789,
48.4202

■ 86.4486, 94.7447,
116.1976

■ 23.1002, 25.8887,
33.7974

111.6379,
121.9464, 148.1549

■ 14.7886, 16.7404,
22.4619

141.2989,
153.9119, 185.4922

■ 8.7565, 10.0496,
13.9951

175.7969,
191.0257, 228.6280

■ 4.6386, 5.4319,
7.9786

215.4971,
233.6720, 277.9809

■ 2.0693, 2.5028,
3.9937

260.7651,

■ 0.6725, 0.8780,

282.2355, 333.9693

1.6219

311.9661,
337.1003, 397.0119

■ 0.0000, 0.0000,
0.3064

■ 0.0000, 0.0000,
0.0000

■ 48.0233, 53.0954,
66.7488

■ 48.0233, 53.0954,
66.7488

■ 42.5825, 48.3909,
66.1284

■ 54.2231, 58.2678,
67.4213

■ 37.8628, 44.1299,
65.5547

■ 61.2084, 63.9185,
68.1438

■ 33.8298, 40.2951,
65.0270

■ 69.0102, 70.0656,
68.9191

■ 30.4442, 36.8656,
64.5435

■ 77.6562, 76.7241,
69.7486

■ 27.6629, 33.8180,
64.1019

■ 79.6302, 80.0202,
70.2808

■ 25.4367, 31.1264,
63.6997

■ 81.2174, 83.1946,
70.8099

■ 23.7084, 28.7603,
63.3340

■ 82.8575, 86.4747,
71.3566

■ 22.3994, 26.6782,
63.0012

■ 84.5510, 89.8617,
71.9210

■ 22.0919, 26.1636,
62.9180

■ 86.2983, 93.3564,
72.5035

Harmonies

Analogous

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



46.9159, 53.0954, 61.7131



48.0233, 53.0954, 66.7488



49.8045, 53.0954, 69.4419

Triad

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



48.0233, 53.0954, 66.7488



54.3780, 53.0954, 59.7345



49.1446, 53.0954, 48.0106

Complementary

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



48.0233, 53.0954, 66.7488



49.6071, 49.2534, 45.4214

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.



51.1325, 53.0954, 47.5587



48.0233, 53.0954, 66.7488



54.1899, 53.0954, 54.0786

Square

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



48.0233, 53.0954, 66.7488



53.4966, 53.0954, 65.2179



52.9893, 53.0954, 49.7105



47.5513, 53.0954, 50.9889

Rectangle

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



48.0233, 53.0954, 66.7488



51.1496, 53.0954, 69.4322



52.9893, 53.0954, 49.7105



49.7877, 53.0954, 47.5663

Sweetspot

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



48.0249, 53.0976, 66.7500



89.3946, 95.4232, 108.3147



47.4079, 56.6043, 51.9292



18.9696, 20.2902, 23.1665



0.0000, 0.0000, 0.0000



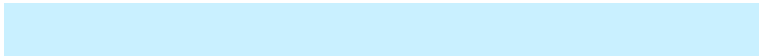
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0249, 53.0976, 66.7500



73.4566, 82.0961, 106.5823



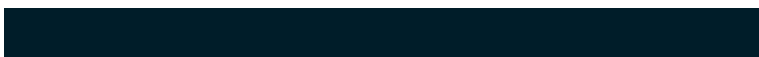
44.2584, 45.5647, 65.4945



11.8693, 12.8288, 15.0943



14.0018, 16.6501, 39.6683



0.8477, 1.0606, 2.2396

Inverse Universe

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



50.3743, 46.4236, 59.1314



77.9790, 69.5423, 91.8516



53.4152, 56.8696, 46.6908



12.1649, 11.9507, 14.1442



19.6982, 9.7521, 19.1146



1.1341, 0.5584, 1.2411

Previews

White Background



This preview shows how the XYZ color 48.0233, 53.0954, 66.7488 looks on a white background.

Color Contrast Check

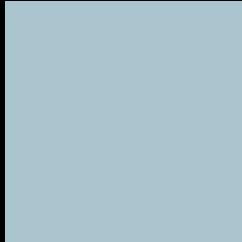
Large Text (above 18pt) WCAG AA × Fail

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 48.0233, 53.0954, 66.7488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

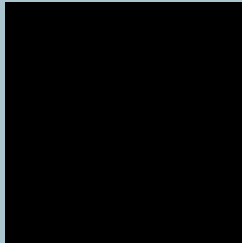
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

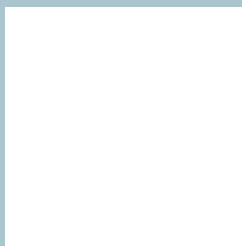
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.0233, 53.0954, 66.7488

Background



This preview shows how black text looks on a background with the XYZ color 48.0233, 53.0954, 66.7488.

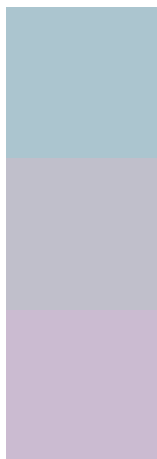


This preview shows how white text looks on a background with the XYZ color 48.0233, 53.0954,

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

48.0233, 53.0954, 66.7488

Protanopia

51.1485, 52.7799, 63.9916

Deuteranopia

53.9075, 52.8406, 67.6796



Tritanopia

48.6369, 53.0040, 69.9547

Trichromacy



Original Color

48.0233, 53.0954, 66.7488

Protanomaly

49.7362, 52.6899, 64.6755

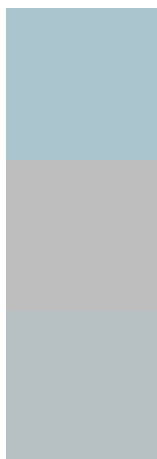
Deuteranomaly

51.5018, 52.8920, 67.1693

Tritanomaly

48.3860, 52.9037, 68.6340

Monochromacy



Original Color

48.0233, 53.0954, 66.7488

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.5622, 52.1927, 59.7393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0233, 53.0954, 66.7488 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(171, 197, 207)` looks like.

```
.text, #text, p{  
    color:rgb(171, 197, 207)  
}
```

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(171, 197, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 197, 207) }
```

Border

The CSS property to change the border of an element to XYZ 48.0233, 53.0954, 66.7488 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(171, 197, 207) }
```


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

```
.border{ border-color:rgb(171, 197, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 197, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 197, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 197, 207); box-shadow:4px 4px 4px 4px rgb(171, 197, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0233, 53.0954, 66.7488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 197, 207) }
```

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

```
.background{ background-color: rgb(171,  
197, 207) }
```

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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