

Converting Colors

XYZ(48.3521, 53.5510, 66.8519)

Have a look what the booklet for
XYZ(48.3521, 53.5510, 66.8519)
contains.

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Color

**XYZ(48.4698, 53.6638,
66.8350)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC6CF
RGB	172, 198, 207
RGB Percent	67%, 78%, 81%
CMY	0.3255, 0.2235, 0.1882
CMYK	0.17, 0.04, 0.00, 0.19
HSL	195°, 27%, 74%
HSV	195°, 17%, 81%
XYZ	48.4698, 53.6638, 66.8350
YIQ	191.2520, -18.3850, -2.7130

Conversions

Conversions Part 2

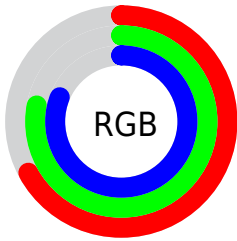
Format	Color
RYB	172, 187, 207
Decimal	11323087
CIELab	78.27, -6.85, -7.45
CIElCh	78, 10.117, 227.391
Yxy	53.6638, 0.2869, 0.3176
Android (android.graphics.Color)	4289513167 (0xFFACC6CF)
YUV	191.2520, 7.7638, -16.8840
Hunter-Lab	73.2556, -10.0921, -2.8145

Details

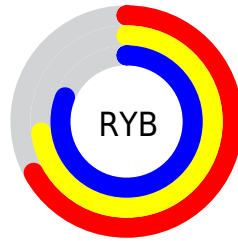
The XYZ color **48.4698, 53.6638, 66.8350** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.7028, 49.2916, 45.9253**, and the grayscale version is **49.6327, 52.2175, 56.8648**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **23.3308, 26.1684, 33.9583** is the 20% darker color. If you saturate the color by 10%, you get **43.0812, 49.1131, 66.2415**, and if you desaturate by 10%, it is **54.6120, 58.6692, 67.4783**.

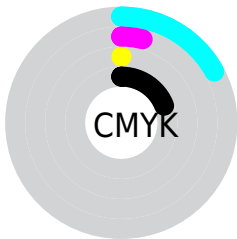
Distribution



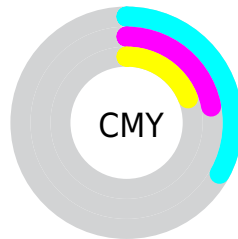
- Red (67%)
- Green (78%)
- Blue (81%)



- Red (67%)
- Yellow (73%)
- Blue (81%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)



- Cyan (33%)
- Magenta (22%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4698, 53.6638, 66.8350 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 48.4698, 53.6638, 66.8350 by changing the saturation by 10% instead.

■ 48.4698, 53.6638,
66.8350

■ 48.4698, 53.6638,
66.8350

371.2030,
400.8267, 467.8427

■ 34.4119, 38.3329,
48.4898

■ 87.1089, 95.5804,
116.3224

■ 23.3746, 26.2412,
33.8522

112.4209,
122.9350, 148.3016

■ 14.9926, 17.0042,
22.5036

142.2149,
155.0662, 185.6626

■ 8.9004, 10.2375,
14.0256

176.8563,
192.3586, 228.8238

■ 4.7329, 5.5567,
7.9995

216.7104,
235.1964, 278.2040

■ 2.1245, 2.5774,
4.0069

262.1427,

■ 0.7025, 0.9153,

283.9641, 334.2214

1.6291

313.5184,
339.0461, 397.2949

■ 0.0000, 0.0000,
0.3115

■ 0.0000, 0.0000,
0.0000

■ 48.4698, 53.6638,
66.8350

■ 48.4698, 53.6638,
66.8350

■ 43.0812, 49.1131,
66.2415

■ 54.6120, 58.6692,
67.4783

■ 38.4083, 44.9929,
65.6925

■ 61.5339, 64.1392,
68.1693

■ 34.4170, 41.2861,
65.1874

■ 69.2665, 70.0918,
68.9107

■ 31.0685, 37.9722,
64.7242

■ 77.8371, 76.5418,
69.7039

■ 28.3198, 35.0284,
64.3009

■ 79.3227, 79.4052,
70.1783

■ 26.1223, 32.4288,
63.9149

■ 80.7806, 82.3209,
70.6643

■ 24.4194, 30.1436,
63.5636

■ 82.2836, 85.3269,
71.1653

■ 23.1364, 28.1337,
63.2433

■ 83.8322, 88.4241,
71.6815

■ 22.7833, 27.5464,
63.1485

■ 85.4268, 91.6133,
72.2130

Harmonies

Analogous

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



47.4558, 53.6638, 61.7532



48.4698, 53.6638, 66.8350



50.1787, 53.6638, 69.7389

Triad

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



48.4698, 53.6638, 66.8350



54.8150, 53.6638, 60.8451



49.8755, 53.6638, 48.6245

Complementary

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



48.4698, 53.6638, 66.8350



49.7028, 49.2916, 45.9253

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.



51.8420, 53.6638, 48.4163



48.4698, 53.6638, 66.8350



54.7287, 53.6638, 55.2297

Square

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



48.4698, 53.6638, 66.8350



53.8616, 53.6638, 66.1332



53.6288, 53.6638, 50.7623



48.2528, 53.6638, 51.3508

Rectangle

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



48.4698, 53.6638, 66.8350



51.4975, 53.6638, 69.9331



53.6288, 53.6638, 50.7623



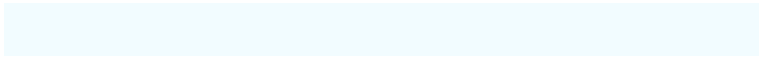
50.5173, 53.6638, 48.2643

Sweetspot

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



48.4714, 53.6660, 66.8362



89.4771, 95.5881, 108.3421



47.6419, 56.7232, 52.0203



18.9897, 20.3304, 23.1732



0.0000, 0.0000, 0.0000



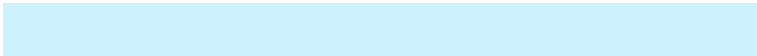
20.3446, 21.4041, 23.3091

Same Dimension

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



48.4714, 53.6660, 66.8362



74.6711, 83.4959, 106.7885



44.7498, 46.2228, 65.5957



11.8904, 12.8711, 15.1013



14.4340, 17.5146, 39.8124



0.8690, 1.1031, 2.2467

Inverse Universe

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



50.6789, 46.8488, 59.8003



78.8433, 70.8499, 93.4374



53.4307, 56.7475, 47.1680



12.1756, 11.9550, 14.2004



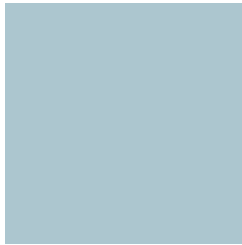
19.9164, 9.8394, 20.2635



1.1448, 0.5627, 1.2975

Previews

White Background



This preview shows how the XYZ color 48.4698, 53.6638, 66.8350 looks on a white background.

Color Contrast Check

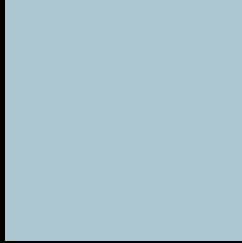
Large Text (above 18pt) WCAG AA × Fail

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 48.4698, 53.6638, 66.8350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

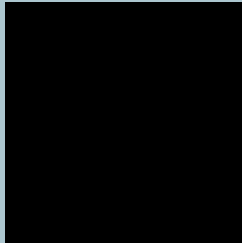
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

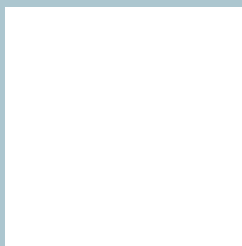
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.4698, 53.6638, 66.8350

Background



This preview shows how black text looks on a background with the XYZ color 48.4698, 53.6638, 66.8350.



This preview shows how white text looks on a background with the XYZ color 48.4698, 53.6638,

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

48.4698, 53.6638, 66.8350

Protanopia

51.8773, 53.4804, 64.0884

Deuteranopia

54.6687, 53.5490, 67.7762



Tritanopia

49.2101, 53.6208, 70.7070

Trichromacy



Original Color

48.4698, 53.6638, 66.8350

Protanomaly

50.4406, 53.3823, 64.7721

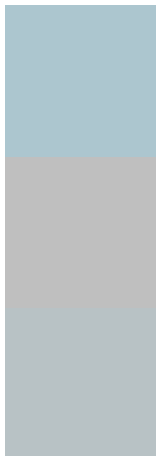
Deuteranomaly

52.2271, 53.5908, 67.2659

Tritanomaly

48.9577, 53.5199, 69.3780

Monochromacy



Original Color

48.4698, 53.6638, 66.8350

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.1370, 52.8051, 60.4259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4698, 53.6638, 66.8350 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(172, 198, 207)` looks like.

```
.text, #text, p{  
    color:rgb(172, 198, 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(172, 198, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 198, 207) }
```

Border

The CSS property to change the border of an element to XYZ 48.4698, 53.6638, 66.8350 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(172, 198, 207) }
```


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

```
.border{ border-color:rgb(172, 198, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 198, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 198, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 198, 207); box-shadow:4px 4px 4px 4px rgb(172, 198, 207) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4698, 53.6638, 66.8350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 198, 207) }
```

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

```
.background{ background-color: rgb(172,  
198, 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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