

Converting Colors

XYZ(48.9710, 57.2927, 60.9798)

Have a look what the booklet for
XYZ(48.9710, 57.2927, 60.9798)
contains.

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Color

**XYZ(48.8542, 57.1572,
60.6821)**

Conversions

Conversions Part 1

Format	Color
Hex	AACFC4
RGB	170, 207, 196
RGB Percent	67%, 81%, 77%
CMY	0.3333, 0.1882, 0.2314
CMYK	0.18, 0.00, 0.05, 0.19
HSL	162°, 28%, 74%
HSV	162°, 18%, 81%
XYZ	48.8542, 57.1572, 60.6821
YIQ	194.6830, -18.5210, -11.2650

Conversions

Conversions Part 2

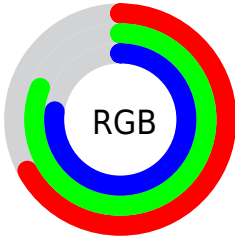
Format	Color
RYB	170, 192, 207
Decimal	11194308
CIELab	80.27, -14.43, 1.39
CIELCh	80, 14.495, 174.490
Yxy	57.1572, 0.2931, 0.3429
Android (android.graphics.Color)	4289384388 (0xFFAACFC4)
YUV	194.6830, 0.6493, -21.6470
Hunter-Lab	75.6024, -16.9576, 5.3327

Details

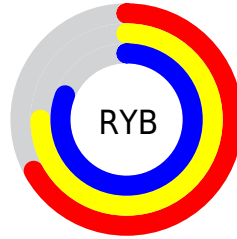
The XYZ color **48.8542, 57.1572, 60.6821** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.4494, 45.3526, 49.9190**, and the grayscale version is **51.6886, 54.3804, 59.2203**.

A 20% lighter version of the original color is **84.8537, 94.7806, 106.7507**, and **23.6098, 28.5174, 29.8512** is the 20% darker color. If you saturate the color by 10%, you get **44.0408, 54.7567, 56.8750**, and if you desaturate by 10%, it is **54.4042, 59.9372, 64.6762**.

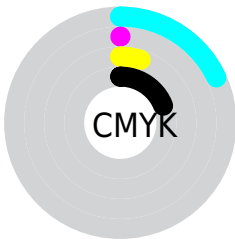
Distribution



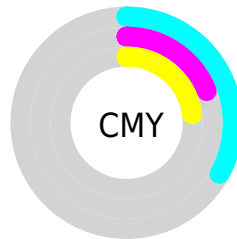
- Red (67%)
- Green (81%)
- Blue (77%)



- Red (67%)
- Yellow (75%)
- Blue (81%)



- Cyan (18%)
- Magenta (0%)
- Yellow (5%)
- Black (19%)





- Cyan (33%)
- Magenta (19%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8542, 57.1572, 60.6821 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 48.8542, 57.1572, 60.6821 by changing the saturation by 10% instead.


 48.8542, 57.1572,
60.6821

 48.8542, 57.1572,
60.6821


372.6945,
414.0381, 444.9817

 34.7179, 41.1315,
43.5398


 87.6769, 100.6945,
107.3715

 23.6111, 28.4218,
29.9743

113.0940,
128.9749, 137.7557

 15.1686, 18.6439,
19.5672


143.0021,
162.1090, 173.3910

 9.0249, 11.4132,
11.8999

177.7665,
200.4811, 214.6958

 4.8147, 6.3455,
6.5538

217.7526,
244.4757, 262.0887

 2.1726, 3.0563,
3.1105

263.3257,

 0.7282, 1.1612,

294.4771, 315.9883

1.1513

314.8513,
350.8698, 376.8131

■ 0.0000, 0.0297,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.8542, 57.1572,
60.6821

■ 48.8542, 57.1572,
60.6821

■ 44.0408, 54.7567,
56.8750

■ 54.4042, 59.9372,
64.6762

■ 39.9260, 52.7114,
53.2477

■ 60.7170, 63.1056,
68.8566

■ 36.4754, 51.0054,
49.7979

■ 67.8235, 66.6798,
73.2276

■ 33.6500, 49.6184,
46.5221

■ 75.7514, 70.6739,
77.7924

■ 31.4065, 48.5282,
43.4163

■ 77.3884, 71.4215,
82.2196

■ 29.6956, 47.7095,
40.4762

■ 78.2524, 71.7671,
86.7691

■ 28.4599, 47.1327,
37.6973

■ 79.1470, 72.1250,
91.4803

■ 27.6165, 46.7551,
35.0737

■ 80.0726, 72.4952,
96.3545

■ 27.4595, 46.6860,
34.5347

■ 81.0295, 72.8780,
101.3935

Harmonies

Analogous

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



49.8225, 57.1572, 53.2364



48.8542, 57.1572, 60.6821



49.3083, 57.1572, 69.2410

Triad

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



48.8542, 57.1572, 60.6821



56.7205, 57.1572, 78.2825



57.7005, 57.1572, 49.8835

Complementary

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



48.8542, 57.1572, 60.6821



48.4494, 45.3526, 49.9190

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.



59.6735, 57.1572, 55.7174



48.8542, 57.1572, 60.6821



59.0935, 57.1572, 72.1933

Square

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



48.8542, 57.1572, 60.6821



53.7814, 57.1572, 79.9152



60.1923, 57.1572, 63.8131



54.8747, 57.1572, 47.3752

Rectangle

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



48.8542, 57.1572, 60.6821



50.3653, 57.1572, 74.3740



60.1923, 57.1572, 63.8131



58.4895, 57.1572, 51.4935

Sweetspot

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



48.8558, 57.1596, 60.6834



89.9093, 97.4197, 105.5046



48.6499, 57.3662, 46.5398



19.0951, 20.7770, 22.4815



0.0000, 0.0000, 0.0000



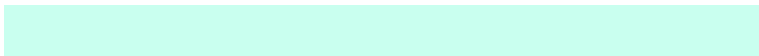
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8558, 57.1596, 60.6834



75.5599, 90.2365, 95.1558



48.4036, 54.1767, 66.9402



12.0023, 13.3447, 14.3687



17.3433, 29.4303, 21.9857



1.0037, 1.6592, 1.4083

Inverse Universe

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



48.4494, 45.3526, 49.9190



74.8047, 68.2726, 75.1358



48.7909, 47.7718, 44.6805



11.9513, 11.8653, 13.0195



16.7891, 8.5885, 3.7955



0.9737, 0.4942, 0.3961

Previews

White Background



This preview shows how the XYZ color 48.8542, 57.1572, 60.6821 looks on a white background.

Color Contrast Check

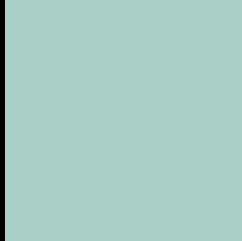
Large Text (above 18pt) WCAG AA × Fail

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 48.8542, 57.1572, 60.6821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

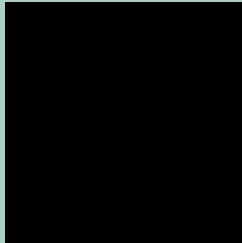
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8542, 57.1572, 60.6821

Background



This preview shows how black text looks on a background with the XYZ color 48.8542, 57.1572, 60.6821.



This preview shows how white text looks on a background with the XYZ color 48.8542, 57.1572,

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

48.8542, 57.1572, 60.6821

Protanopia

54.4999, 56.9871, 57.4174

Deuteranopia

57.7737, 56.5745, 61.9078



Tritanopia

51.7298, 56.8778, 75.9622

Trichromacy



Original Color

48.8542, 57.1572, 60.6821

Protanomaly

52.2505, 56.8300, 58.6675

Deuteranomaly

53.9787, 56.2891, 61.4460

Tritanomaly

50.5843, 56.7731, 69.9202

Monochromacy



Original Color

48.8542, 57.1572, 60.6821

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.5235, 55.2261, 59.6266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8542, 57.1572, 60.6821 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(170, 207, 196)` looks like.

```
.text, #text, p{  
    color:rgb(170, 207, 196)  
}
```

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(170, 207, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 207, 196) }
```

Border

The CSS property to change the border of an element to XYZ 48.8542, 57.1572, 60.6821 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(170, 207, 196) }
```


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

```
.border{ border-color:rgb(170, 207, 196) }
```

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

Here you see how a box with a 4 pixel rgb(170, 207, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 207, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 207, 196);  
box-shadow:4px 4px 4px 4px rgb(170, 207,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8542, 57.1572, 60.6821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 207, 196) }
```

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

```
.background{ background-color: rgb(170,  
207, 196) }
```

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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