

Converting Colors

XYZ(37.3001, 48.8600, 67.9192)

Have a look what the booklet for
XYZ(37.3001, 48.8600, 67.9192)
contains.

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Color

**XYZ(37.3250, 48.9181,
67.7965)**

Conversions

Conversions Part 1

Format	Color
Hex	61C9D1
RGB	97, 201, 209
RGB Percent	38%, 79%, 82%
CMY	0.6196, 0.2118, 0.1804
CMYK	0.54, 0.04, 0.00, 0.18
HSL	184°, 55%, 60%
HSV	184°, 54%, 82%
XYZ	37.3250, 48.9181, 67.7965
YIQ	170.8160, -64.5520, -19.5600

Conversions

Conversions Part 2

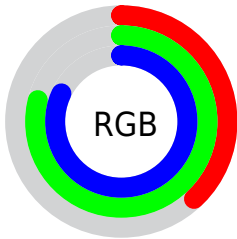
Format	Color
R_{YB}	97, 151, 209
Decimal	6408657
CIE Lab	75.40, -27.82, -13.20
CIE LCh	75, 30.790, 205.379
Yxy	48.9181, 0.2423, 0.3176
Android (android.graphics.Color)	4284598737 (0xFF61C9D1)
YUV	170.8160, 18.8247, -64.7366
Hunter-Lab	69.9415, -27.1392, -8.5127

Details

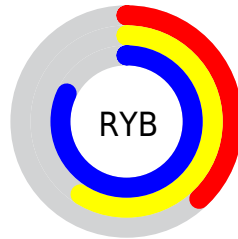
The XYZ color **37.3250, 48.9181, 67.7965** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.5047, 24.5225, 14.2779**, and the grayscale version is **38.5495, 40.5571, 44.1666**.

A 20% lighter version of the original color is **67.5203, 85.8079, 107.6116**, and **16.7761, 23.4536, 34.6532** is the 20% darker color. If you saturate the color by 10%, you get **35.0387, 47.2266, 67.5914**, and if you desaturate by 10%, it is **40.2042, 50.9225, 68.0325**.

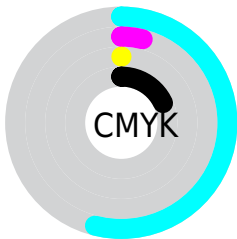
Distribution



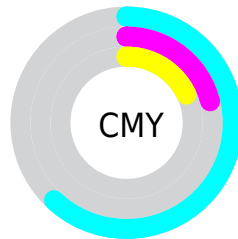
- Red (38%)
- Green (79%)
- Blue (82%)



- Red (38%)
- Yellow (59%)
- Blue (82%)



- Cyan (54%)
- Magenta (4%)
- Yellow (0%)
- Black (18%)



- Cyan (62%)
- Magenta (21%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3250, 48.9181, 67.7965 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 37.3250, 48.9181, 67.7965 by changing the saturation by 10% instead.

37.3250, 48.9181,
67.7965

37.3250, 48.9181,
67.7965

326.0466,
382.4198, 471.3531

25.6341, 34.5545,
49.2665

70.3829, 88.5698,
117.7124

16.6813, 23.3199,
34.4639

92.4807, 114.6267,
149.9355

10.1014, 14.8299,
22.9699

118.7780,
145.3502, 187.5600

5.5290, 8.7001,
14.3662

149.6403,
181.1246, 231.0045

2.5988, 4.5461,
8.2342

185.4330,
222.3344, 280.6875

0.9453, 1.9835,
4.1552

226.5214,

0.0000, 0.5979,

269.3639, 337.0276

1.7109

273.2708,
322.5976, 400.4433

■ 0.0000, 0.0000,
0.3682

■ 0.0000, 0.0000,
0.0000

■ 37.3250, 48.9181,
67.7965

■ 37.3250, 48.9181,
67.7965

■ 35.0387, 47.2266,
67.5914

■ 40.2042, 50.9225,
68.0325

■ 33.2938, 45.8180,
67.4115

■ 43.7139, 53.2559,
68.2979

■ 32.0372, 44.6661,
67.2554

■ 47.8937, 55.9399,
68.5957

■ 31.2033, 43.7372,
67.1200

■ 52.7789, 58.9925,
68.9274

■ 30.8174, 43.2208,
67.0407

■ 58.4021, 62.4306,
69.2947

■ 64.7939, 66.2700,
69.6989

■ 71.9832, 70.5257,
70.1414

■ 76.5289, 73.4237,
70.4612

■ 76.9059, 74.1778,
70.5868

Harmonies

Analogous

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



36.4538, 48.9181, 50.7875



37.3250, 48.9181, 67.7965



40.5726, 48.9181, 83.3081

Triad

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



37.3250, 48.9181, 67.7965



56.0555, 48.9181, 73.0433



47.3790, 48.9181, 27.8114

Complementary

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



37.3250, 48.9181, 67.7965



33.5047, 24.5225, 14.2779

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.



52.9678, 48.9181, 31.4808



37.3250, 48.9181, 67.7965



58.2295, 48.9181, 55.8187

Square

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



37.3250, 48.9181, 67.7965



51.3258, 48.9181, 86.7436



57.0563, 48.9181, 40.9716



41.9776, 48.9181, 29.7423

Rectangle

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



37.3250, 48.9181, 67.7965



43.7973, 48.9181, 89.5443



57.0563, 48.9181, 40.9716



49.3016, 48.9181, 28.4054

Sweetspot

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



37.3265, 48.9200, 67.7977



80.6775, 91.2213, 107.9631



30.2538, 49.1523, 21.1154



16.9200, 19.3082, 23.0850



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.



37.3265, 48.9200, 67.7977



54.5977, 73.7930, 105.9736



26.6467, 27.5604, 64.2377



12.0831, 13.2565, 15.1656



19.0315, 26.7097, 41.3449



1.0862, 1.5377, 2.3191

Inverse Universe

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



41.1130, 26.3230, 58.1743



61.2797, 35.3716, 88.6652



41.1052, 39.7234, 16.8114



12.2728, 11.9939, 14.7126



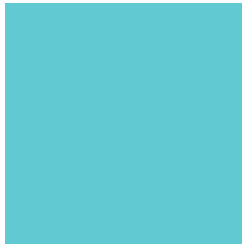
22.2370, 10.7676, 32.4837



1.2545, 0.6065, 1.8751

Previews

White Background



This preview shows how the XYZ color 37.3250, 48.9181, 67.7965 looks on a white background.

Color Contrast Check

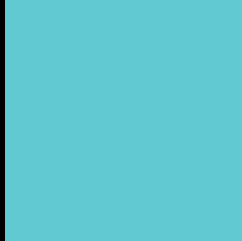
Large Text (above 18pt) WCAG AA × Fail

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 37.3250, 48.9181, 67.7965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

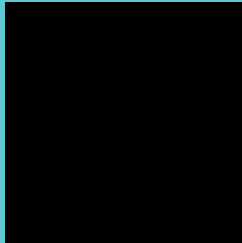
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3250, 48.9181, 67.7965

Background



This preview shows how black text looks on a background with the XYZ color 37.3250, 48.9181, 67.7965.

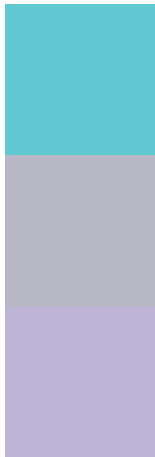


This preview shows how white text looks on a background with the XYZ color 37.3250, 48.9181,

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

37.3250, 48.9181, 67.7965

Protanopia

46.8937, 48.1345, 60.2454

Deuteranopia

49.4451, 48.3164, 70.3383



Tritanopia

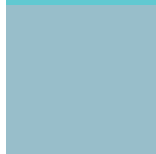
38.3045, 48.9757, 72.4002

Trichromacy



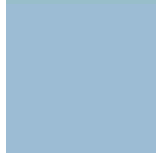
Original Color

37.3250, 48.9181, 67.7965



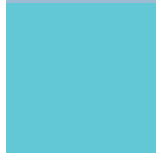
Protanomaly

42.0230, 47.7666, 62.8821



Deuteranomaly

43.5772, 47.7878, 69.2146



Tritanomaly

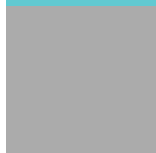
37.8101, 48.7653, 70.3706

Monochromacy



Original Color

37.3250, 48.9181, 67.7965



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.9865, 42.8880, 52.2278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3250, 48.9181, 67.7965 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(97, 201, 209)` looks like.

```
.text, #text, p{  
    color:rgb(97, 201, 209)  
}
```

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(97, 201, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 201, 209) }
```

Border

The CSS property to change the border of an element to XYZ 37.3250, 48.9181, 67.7965 is called "border". The border property can be set on classes, ids or directly on the HTML element.

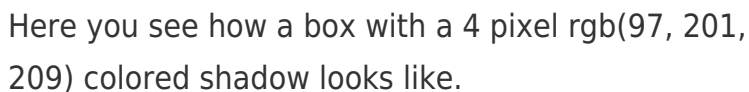
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 201, 209) }
```


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

```
.border{ border-color:rgb(97, 201, 209) }
```

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



Here you see how a box with a 4 pixel `rgb(97, 201, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 201, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 201, 209); box-shadow:4px 4px 4px 4px rgb(97, 201, 209) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3250, 48.9181, 67.7965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 201, 209) }
```

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

```
.background{ background-color: rgb(97, 201,  
209) }
```

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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