

Converting Colors

XYZ(36.8781, 48.2162, 63.5227)

Have a look what the booklet for
XYZ(36.8781, 48.2162, 63.5227)
contains.

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Color

**XYZ(36.7930, 48.0542,
63.2133)**

Conversions

Conversions Part 1

Format	Color
Hex	68C7CA
RGB	104, 199, 202
RGB Percent	41%, 78%, 79%
CMY	0.5921, 0.2196, 0.2078
CMYK	0.49, 0.01, 0.00, 0.21
HSL	182°, 48%, 60%
HSV	182°, 49%, 79%
XYZ	36.7930, 48.0542, 63.2133
YIQ	170.9370, -57.5830, -19.2070

Conversions

Conversions Part 2

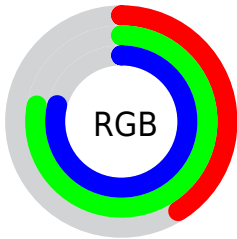
Format	Color
RYB	104, 152, 202
Decimal	6866890
CIELab	74.86, -27.23, -10.19
CIElCh	75, 29.078, 200.517
Yxy	48.0542, 0.2485, 0.3246
Android (android.graphics.Color)	4285056970 (0xFF68C7CA)
YUV	170.9370, 15.3141, -58.7037
Hunter-Lab	69.3211, -26.5710, -5.5412

Details

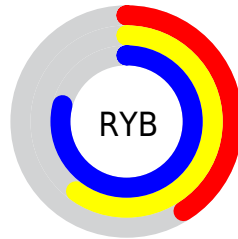
The XYZ color **36.7930, 48.0542, 63.2133** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.1143, 24.0721, 16.0516**, and the grayscale version is **38.6246, 40.6361, 44.2527**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **16.4255, 22.8812, 31.5678** is the 20% darker color. If you saturate the color by 10%, you get **34.5818, 46.7047, 63.0702**, and if you desaturate by 10%, it is **39.5693, 49.6980, 63.3851**.

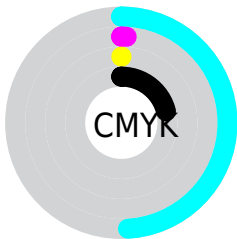
Distribution



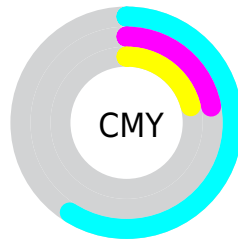
- Red (41%)
- Green (78%)
- Blue (79%)



- Red (41%)
- Yellow (60%)
- Blue (79%)



- Cyan (49%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)



- Cyan (59%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7930, 48.0542, 63.2133 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 36.7930, 48.0542, 63.2133 by changing the saturation by 10% instead.

■ 36.7930, 48.0542,
63.2133

■ 36.7930, 48.0542,
63.2133

323.7846,
379.0069, 454.4724

■ 25.2202, 33.8698,
45.5717

■ 69.5702, 87.2851,
111.0657

■ 16.3708, 22.7936,
31.5617

■ 91.5053, 113.1004,
142.1136

■ 9.8794, 14.4412,
20.7649

■ 117.6252,
143.5615, 178.4673

■ 5.3807, 8.4281,
12.7627

■ 148.2953,
179.0527, 220.5454

■ 2.5094, 4.3701,
7.1366

183.8810,
219.9584, 268.7665

■ 0.9000, 1.8827,
3.4679

224.7475,

■ 0.0000, 0.5379,

266.6631, 323.5489

1.3382

271.2602,
319.5512, 385.3114

■ 0.0000, 0.0000,
0.0928

■ 0.0000, 0.0000,
0.0000

■ 36.7930, 48.0542,
63.2133

■ 36.7930, 48.0542,
63.2133

■ 34.5818, 46.7047,
63.0702

■ 39.5693, 49.6980,
63.3851

■ 32.8905, 45.6230,
62.9506


■ 42.9430, 51.6496,
63.5840


■ 31.6743, 44.7871,
62.8533


■ 46.9491, 53.9281,
63.8126


■ 30.8789, 44.1690,
62.7759


■ 51.6189, 56.5496,
64.0725


 30.4189, 43.7246,
62.7144

 56.9814, 59.5290,
64.3650

 30.3606, 43.6638,
62.7057

 63.0639, 62.8804,
64.6913

 69.8923, 66.6173,
65.0527

 73.4811, 68.6849,
65.2626

 73.6283, 68.9792,
65.3116

Harmonies

Analogous

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



36.3564, 48.0542, 47.6676



36.7930, 48.0542, 63.2133



39.5057, 48.0542, 78.1861

Triad

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



36.7930, 48.0542, 63.2133



53.9847, 48.0542, 73.1221



47.3709, 48.0542, 28.5250

Complementary

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



36.7930, 48.0542, 63.2133



32.1143, 24.0721, 16.0516

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.



52.4532, 48.0542, 32.9029



36.7930, 48.0542, 63.2133



56.4614, 48.0542, 57.2717

Square

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



36.7930, 48.0542, 63.2133



49.3333, 48.0542, 84.6301



55.8803, 48.0542, 42.7611



42.2004, 48.0542, 29.5036

Rectangle

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



36.7930, 48.0542, 63.2133



42.3642, 48.0542, 84.8779



55.8803, 48.0542, 42.7611



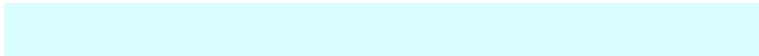
49.1520, 48.0542, 29.3811

Sweetspot

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



36.7944, 48.0561, 63.2144



81.9788, 92.7091, 108.1816



29.4129, 46.2181, 20.9078



17.1997, 19.6480, 23.1359



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.



36.7944, 48.0561, 63.2144



58.4590, 79.0191, 106.7788



27.4964, 29.4600, 60.1151



11.5127, 12.6659, 14.4083



19.5489, 28.1218, 40.3540



1.0180, 1.4697, 2.0850

Inverse Universe

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



39.6174, 26.5819, 57.0777



63.8381, 38.7282, 94.9445



38.5172, 36.8780, 18.1859



11.6722, 11.3976, 14.0742



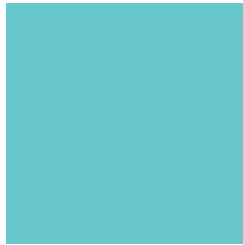
22.0783, 10.6419, 34.4606



1.1438, 0.5509, 1.8029

Previews

White Background



This preview shows how the XYZ color 36.7930, 48.0542, 63.2133 looks on a white background.

Color Contrast Check

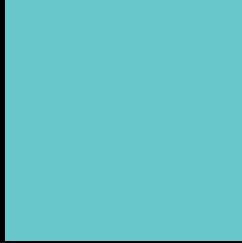
Large Text (above 18pt) WCAG AA × Fail

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 36.7930, 48.0542, 63.2133 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 36.7930, 48.0542, 63.2133

Background



This preview shows how black text looks on a background with the XYZ color 36.7930, 48.0542, 63.2133.



This preview shows how white text looks on a background with the XYZ color 36.7930, 48.0542,

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

36.7930, 48.0542, 63.2133

Protanopia

46.0095, 47.4520, 56.6034

Deuteranopia

48.2962, 47.2442, 64.9661



Tritanopia

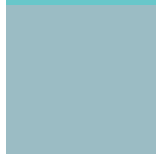
38.1608, 47.9247, 70.1899

Trichromacy



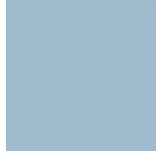
Original Color

36.7930, 48.0542, 63.2133



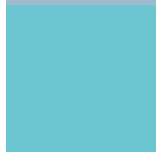
Protanomaly

41.4646, 46.9205, 59.0957



Deuteranomaly

42.8764, 46.8965, 64.5497



Tritanomaly

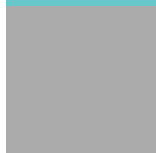
37.7661, 48.1174, 67.6187

Monochromacy



Original Color

36.7930, 48.0542, 63.2133



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

37.0000, 42.6282, 50.5339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7930, 48.0542, 63.2133 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(104, 199, 202)` looks like.

```
.text, #text, p{  
    color:rgb(104, 199, 202)  
}
```

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(104, 199, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 199, 202) }
```

Border

The CSS property to change the border of an element to XYZ 36.7930, 48.0542, 63.2133 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(104, 199, 202) }
```


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

```
.border{ border-color:rgb(104, 199, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 199, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 199, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 199, 202);  
box-shadow:4px 4px 4px 4px rgb(104, 199,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7930, 48.0542, 63.2133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 199, 202) }
```

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

```
.background{ background-color: rgb(104,  
199, 202) }
```

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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