

Converting Colors

XYZ(34.8286, 48.2100, 63.2110)

Have a look what the booklet for
XYZ(34.8286, 48.2100, 63.2110)
contains.

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Color

**XYZ(34.7617, 48.0418,
63.3180)**

Conversions

Conversions Part 1

Format	Color
Hex	4CCACA
RGB	76, 202, 202
RGB Percent	30%, 79%, 79%
CMY	0.7019, 0.2078, 0.2078
CMYK	0.62, 0.00, 0.00, 0.21
HSL	180°, 54%, 55%
HSV	180°, 62%, 79%
XYZ	34.7617, 48.0418, 63.3180
YIQ	164.3260, -75.0960, -26.7120

Conversions

Conversions Part 2

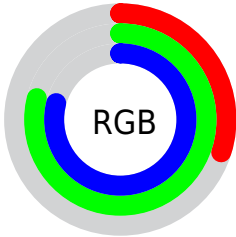
Format	Color
RYB	76, 139, 202
Decimal	5032650
CIELab	74.85, -34.03, -10.30
CIELCh	75, 35.557, 196.833
Yxy	48.0418, 0.2379, 0.3288
Android (android.graphics.Color)	4283222730 (0xFF4CCACA)
YUV	164.3260, 18.5733, -77.4619
Hunter-Lab	69.3122, -31.7744, -5.6440

Details

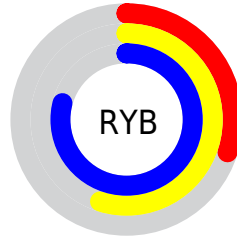
The XYZ color **34.7617, 48.0418, 63.3180** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **28.2477, 18.2488, 8.8726**, and the grayscale version is **35.3833, 37.2260, 40.5391**.

A 20% lighter version of the original color is **64.4575, 84.2290, 107.4683**, and **15.7790, 23.0056, 31.6258** is the 20% darker color. If you saturate the color by 10%, you get **33.4022, 47.3420, 63.2553**, and if you desaturate by 10%, it is **36.6278, 49.0049, 63.4066**.

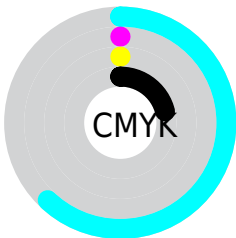
Distribution



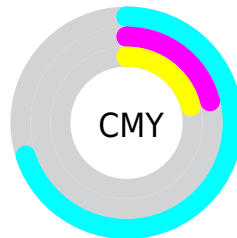
- Red (30%)
- Green (79%)
- Blue (79%)



- Red (30%)
- Yellow (55%)
- Blue (79%)



- Cyan (62%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)





- Cyan (70%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7617, 48.0418, 63.3180 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 34.7617, 48.0418, 63.3180 by changing the saturation by 10% instead.


 34.7617, 48.0418,
63.3180


 34.7617, 48.0418,
63.3180


315.0417,
378.9578, 454.8623


 23.6450, 33.8600,
45.6559

 66.4529, 87.2666,
111.2182


 15.1938, 22.7861,
31.6276


 87.7581, 113.0785,
142.2933

 9.0427, 14.4356,
20.8148


 113.1902,
143.5357, 178.6764

 4.8264, 8.4243,
12.7988

 143.1146,
179.0229, 220.7862

 2.1795, 4.3676,
7.1610

177.8966,
219.9242, 269.0412

 0.7319, 1.8812,
3.4830

217.9015,

 0.0000, 0.5371,

266.6242, 323.8598

1.3463

263.4948,
319.5073, 385.6607

■ 0.0000, 0.0000,
0.0993

■ 0.0000, 0.0000,
0.0000

■ 34.7617, 48.0418,
63.3180

■ 34.7617, 48.0418,
63.3180

■ 33.4022, 47.3420,
63.2553

■ 36.6278, 49.0049,
63.4066

■ 32.4959, 46.8748,
63.2127

■ 39.0389, 50.2479,
63.5196

■ 31.9857, 46.6118,
63.1887

■ 42.0346, 51.7922,
63.6599

■ 31.7820, 46.5068,
63.1790

■ 45.6495, 53.6557,
63.8293

■ 49.9157, 55.8550,
64.0291

■ 54.8630, 58.4055,
64.2608

■ 60.5194, 61.3214,
64.5256

■ 66.9113, 64.6166,
64.8249

■ 73.0224, 67.7669,
65.1111

Harmonies

Analogous

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



34.5903, 48.0418, 44.6074



34.7617, 48.0418, 63.3180



37.6706, 48.0418, 82.8299

Triad

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



34.7617, 48.0418, 63.3180



55.3484, 48.0418, 80.6598



48.5546, 48.0418, 24.7254

Complementary

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



34.7617, 48.0418, 63.3180



28.2477, 18.2488, 8.8726

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.



54.7111, 48.0418, 30.3920



34.7617, 48.0418, 63.3180



58.8759, 48.0418, 60.8504

Square

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



34.7617, 48.0418, 63.3180



49.3598, 48.0418, 94.3497



58.6322, 48.0418, 42.6569



42.1542, 48.0418, 25.0850

Rectangle

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



34.7617, 48.0418, 63.3180



40.9417, 48.0418, 92.3691



58.6322, 48.0418, 42.6569



50.7325, 48.0418, 25.9188

Sweetspot

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



34.7631, 48.0436, 63.3191



79.4165, 91.9406, 108.1678



25.5767, 44.3886, 14.0586



16.5734, 19.4600, 23.1325



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.



34.7631, 48.0436, 63.3191



55.9077, 79.8215, 107.0661



23.1825, 24.8819, 59.4599



11.5433, 12.7271, 14.4185



20.4506, 29.9256, 40.6536



1.0550, 1.5438, 2.0973

Inverse Universe

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



28.2477, 18.2488, 8.8726



43.9777, 25.2660, 7.3726



34.5949, 30.9433, 10.9881



11.2124, 11.2137, 11.6530



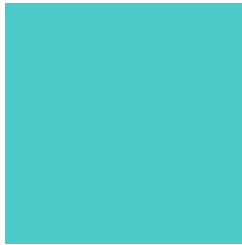
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 34.7617, 48.0418, 63.3180 looks on a white background.

Color Contrast Check

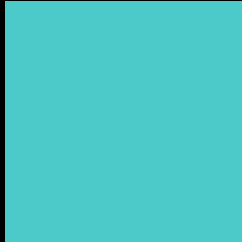
Large Text (above 18pt) WCAG AA × Fail

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 34.7617, 48.0418, 63.3180 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

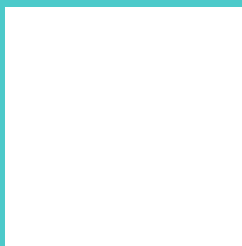
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7617, 48.0418, 63.3180

Background



This preview shows how black text looks on a background with the XYZ color 34.7617, 48.0418, 63.3180.

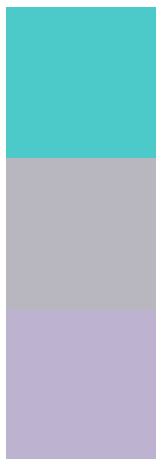


This preview shows how white text looks on a background with the XYZ color 34.7617, 48.0418,

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

34.7617, 48.0418, 63.3180

Protanopia

45.7894, 47.3639, 55.4440

Deuteranopia

48.1691, 47.1646, 65.5964



Tritanopia

36.6162, 48.1054, 72.3211

Trichromacy



Original Color

34.7617, 48.0418, 63.3180



Protanomaly

39.6123, 46.3100, 57.8899



Deuteranomaly

41.0025, 46.2443, 64.5226



Tritanomaly

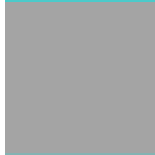
35.9528, 48.1819, 69.0331

Monochromacy



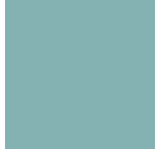
Original Color

34.7617, 48.0418, 63.3180



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.4720, 39.9607, 48.0685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7617, 48.0418, 63.3180 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(76, 202, 202)` looks like.

```
.text, #text, p{  
    color:rgb(76, 202, 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(76, 202, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 202, 202) }
```

Border

The CSS property to change the border of an element to XYZ 34.7617, 48.0418, 63.3180 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(76, 202, 202) }
```


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

```
.border{ border-color:rgb(76, 202, 202) }
```

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

Here you see how a box with a 4 pixel rgb(76, 202, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 202, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 202, 202);  
box-shadow:4px 4px 4px 4px rgb(76, 202,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7617, 48.0418, 63.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 202, 202) }
```

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

```
.background{ background-color: rgb(76, 202,  
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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