

Converting Colors

XYZ(34.0780, 48.0216, 63.9733)

Have a look what the booklet for
XYZ(34.0780, 48.0216, 63.9733)
contains.

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Color

**XYZ(34.0599, 48.0158,
63.9727)**

Conversions

Conversions Part 1

Format	Color
Hex	3DCBCB
RGB	61, 203, 203
RGB Percent	24%, 80%, 80%
CMY	0.7607, 0.2039, 0.2039
CMYK	0.70, 0.00, 0.00, 0.20
HSL	180°, 58%, 52%
HSV	180°, 70%, 80%
XYZ	34.0599, 48.0158, 63.9727
YIQ	160.5420, -84.6320, -30.1040

Conversions

Conversions Part 2

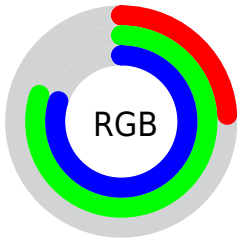
Format	Color
RYB	61, 132, 203
Decimal	4049867
CIELab	74.83, -36.39, -10.90
CIELCh	75, 37.982, 196.674
Yxy	48.0158, 0.2332, 0.3288
Android (android.graphics.Color)	4282239947 (0xFF3DCBCB)
YUV	160.5420, 20.9318, -87.2983
Hunter-Lab	69.2934, -33.5252, -6.2320

Details

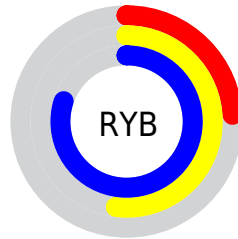
The XYZ color **34.0599, 48.0158, 63.9727** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.1413, 16.3724, 6.1461**, and the grayscale version is **33.6000, 35.3498, 38.4959**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **16.0147, 23.3497, 32.0967** is the 20% darker color. If you saturate the color by 10%, you get **33.0392, 47.4907, 63.9258**, and if you desaturate by 10%, it is **35.5563, 48.7883, 64.0440**.

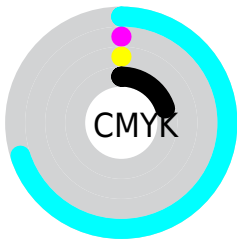
Distribution



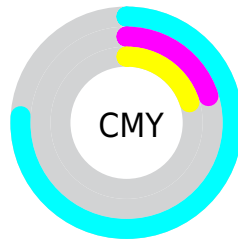
- Red (24%)
- Green (80%)
- Blue (80%)



- Red (24%)
- Yellow (52%)
- Blue (80%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (76%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0599, 48.0158, 63.9727 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 34.0599, 48.0158, 63.9727 by changing the saturation by 10% instead.

■ 34.0599, 48.0158,
63.9727

■ 34.0599, 48.0158,
63.9727

311.9803,
378.8548, 457.2958

■ 23.1027, 33.8394,
46.1825

■ 65.3705, 87.2279,
112.1707

■ 14.7905, 22.7702,
32.0402

■ 86.4546, 113.0324,
143.4156

■ 8.7578, 14.4240,
21.1271

■ 111.6451,
143.4818, 179.9825

■ 4.6394, 8.4161,
13.0248

■ 141.3073,
178.9604, 222.2900

■ 2.0698, 4.3623,
7.3147

■ 175.8065,
219.8525, 270.7565

■ 0.6727, 1.8783,
3.5783

215.5082,

■ 0.0000, 0.5353,

266.5427, 325.8006

1.3970

260.7777,
319.4153, 387.8408

■ 0.0000, 0.0000,
0.1393

■ 0.0000, 0.0000,
0.0000

■ 34.0599, 48.0158,
63.9727

■ 34.0599, 48.0158,
63.9727

■ 33.0392, 47.4907,
63.9258

■ 35.5563, 48.7883,
64.0440

■ 32.4331, 47.1782,
63.8973

■ 37.5717, 49.8273,
64.1385


■ 32.1376, 47.0259,
63.8833


■ 40.1497, 51.1563,
64.2593


■ 32.1362, 47.0252,
63.8833


■ 43.3279, 52.7947,
64.4082

 47.1407, 54.7602,
64.5868

 51.6200, 57.0694,
64.7966

 56.7954, 59.7374,
65.0389

 62.6949, 62.7787,
65.3152

 69.3449, 66.2069,
65.6266

Harmonies

Analogous

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



33.8949, 48.0158, 43.9947



34.0599, 48.0158, 63.9727



37.1174, 48.0158, 85.1220

Triad

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



34.0599, 48.0158, 63.9727



55.9977, 48.0158, 82.9650



48.7678, 48.0158, 23.3148

Complementary

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



34.0599, 48.0158, 63.9727



27.1413, 16.3724, 6.1461

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.



55.3710, 48.0158, 29.2043



34.0599, 48.0158, 63.9727



59.8204, 48.0158, 61.5475

Square

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



34.0599, 48.0158, 63.9727



49.5557, 48.0158, 97.8415



59.5801, 48.0158, 42.1084



41.9316, 48.0158, 23.6522

Rectangle

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



34.0599, 48.0158, 63.9727



40.5779, 48.0158, 95.5671



59.5801, 48.0158, 42.1084



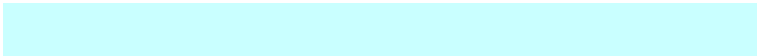
51.1012, 48.0158, 24.5529

Sweetspot

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



34.0613, 48.0176, 63.9738



78.0184, 91.2199, 108.1024



24.2732, 44.1196, 11.6527



16.3020, 19.3201, 23.1197



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.



34.0613, 48.0176, 63.9738



54.7160, 79.2071, 107.0101



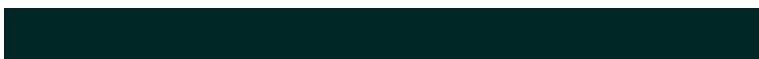
21.2816, 22.4577, 59.7150



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.



27.1413, 16.3724, 6.1461



42.4228, 22.9908, 4.2816



33.4068, 28.9035, 8.2343



11.2124, 11.2137, 11.6530



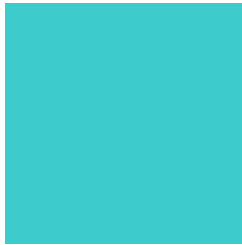
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 34.0599, 48.0158, 63.9727 looks on a white background.

Color Contrast Check

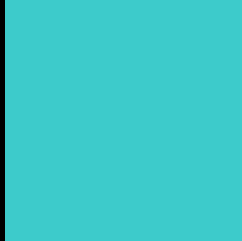
Large Text (above 18pt) WCAG AA × Fail

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 34.0599, 48.0158, 63.9727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

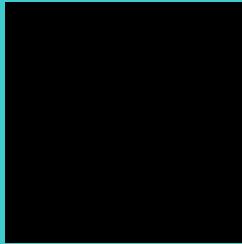
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

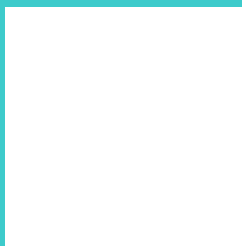
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0599, 48.0158, 63.9727

Background



This preview shows how black text looks on a background with the XYZ color 34.0599, 48.0158, 63.9727.

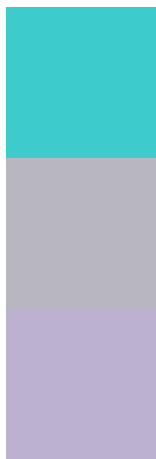


This preview shows how white text looks on a background with the XYZ color 34.0599, 48.0158,

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

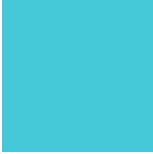
34.0599, 48.0158, 63.9727

Protanopia

45.7894, 47.3639, 55.4440

Deuteranopia

48.0446, 47.0862, 66.2308



Tritanopia

35.8653, 48.0483, 73.0296

Trichromacy



Original Color

34.0599, 48.0158, 63.9727



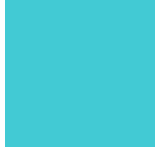
Protanomaly

38.9112, 46.2560, 58.5072



Deuteranomaly

40.0662, 45.7477, 65.1110



Tritanomaly

35.2510, 48.1528, 69.7238

Monochromacy



Original Color

34.0599, 48.0158, 63.9727



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.8193, 38.5452, 46.8372

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0599, 48.0158, 63.9727 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(61, 203, 203)` looks like.

```
.text, #text, p{  
    color:rgb(61, 203, 203)  
}
```

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(61, 203, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 203, 203) }
```

Border

The CSS property to change the border of an element to XYZ 34.0599, 48.0158, 63.9727 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(61, 203, 203) }
```


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

```
.border{ border-color:rgb(61, 203, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 203, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 203, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 203, 203);  
box-shadow:4px 4px 4px 4px rgb(61, 203,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0599, 48.0158, 63.9727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 203, 203) }
```

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

```
.background{ background-color: rgb(61, 203,  
203) }
```

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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