

Converting Colors

XYZ(34.2577, 49.7581, 63.4451)

Have a look what the booklet for
XYZ(34.2577, 49.7581, 63.4451)
contains.

XYZ(34.3888, 49.9804, 63.7118)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.3888, 49.9804,
63.7118)**

Conversions

Conversions Part 1

Format	Color
Hex	2FD0CA
RGB	47, 208, 202
RGB Percent	18%, 82%, 79%
CMY	0.8156, 0.1843, 0.2078
CMYK	0.77, 0.00, 0.03, 0.18
HSL	178°, 63%, 50%
HSV	178°, 77%, 82%
XYZ	34.3888, 49.9804, 63.7118
YIQ	159.1770, -94.0300, -35.9980

Conversions

Conversions Part 2

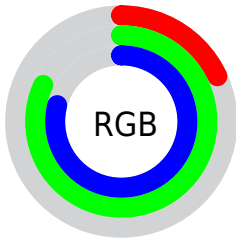
Format	Color
RYB	47, 129, 208
Decimal	3133642
CIELab	76.06, -40.51, -8.56
CIELCh	76, 41.410, 191.934
Yxy	49.9804, 0.2322, 0.3375
Android (android.graphics.Color)	4281323722 (0xFF2FD0CA)
YUV	159.1770, 21.1117, -98.3792
Hunter-Lab	70.6968, -36.8923, -3.9442

Details

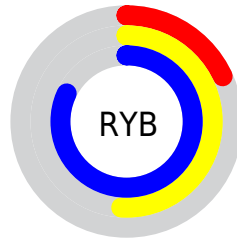
The XYZ color **34.3888, 49.9804, 63.7118** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **27.6732, 15.7014, 4.9418**, and the grayscale version is **32.9749, 34.6922, 37.7798**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **16.7365, 24.9206, 31.9450** is the 20% darker color. If you saturate the color by 10%, you get **33.5573, 49.5634, 63.1959**, and if you desaturate by 10%, it is **35.6803, 50.6367, 64.2539**.

Distribution



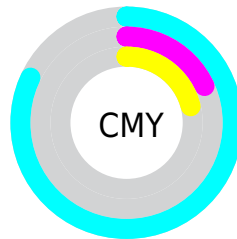
- Red (18%)
- Green (82%)
- Blue (79%)



- Red (18%)
- Yellow (51%)
- Blue (82%)



- Cyan (77%)
- Magenta (0%)
- Yellow (3%)
- Black (18%)



- Cyan (82%)
- Magenta (18%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3888, 49.9804, 63.7118 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 34.3888, 49.9804, 63.7118 by changing the saturation by 10% instead.

■ 34.3888, 49.9804,
63.7118

■ 34.3888, 49.9804,
63.7118

313.4177,
386.5893, 456.3270

■ 23.3567, 35.3978,
45.9726

■ 65.8781, 90.1458,
111.7912

■ 14.9793, 23.9695,
31.8757

■ 87.0661, 116.4975,
142.9686

■ 8.8911, 15.3110,
21.0025

■ 112.3701,
147.5409, 179.4624

■ 4.7267, 9.0379,
12.9346

■ 142.1554,
183.6606, 221.6911

■ 2.1209, 4.7659,
7.2533

■ 176.7875,
225.2409, 270.0735

■ 0.7006, 2.1106,
3.5402

216.6317,

■ 0.0000, 0.6706,

272.6662, 325.0278

1.3766

262.0533,
326.3208, 386.9729

■ 0.0000, 0.0000,
0.1234

■ 0.0000, 0.0000,
0.0000

■ 34.3888, 49.9804,
63.7118

■ 34.3888, 49.9804,
63.7118

■ 33.5573, 49.5634,
63.1959

■ 35.6803, 50.6367,
64.2539


■ 33.1025, 49.3395,
62.6989


■ 37.4847, 51.5562,
64.8213

■ 33.0111, 49.2951,
62.5712


■ 39.8525, 52.7661,
65.4175


■ 42.8270, 54.2887,
66.0445

 46.4473, 56.1442,
66.7041

 50.7490, 58.3509,
67.3981

 55.7655, 60.9260,
68.1279

 61.5276, 63.8855,
68.8951

 68.0647, 67.2444,
69.7010

Harmonies

Analogous

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



34.7218, 49.9804, 42.2511



34.3888, 49.9804, 63.7118



37.2776, 49.9804, 88.1361

Triad

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



34.3888, 49.9804, 63.7118



58.1532, 49.9804, 92.6544



52.2679, 49.9804, 23.1394

Complementary

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



34.3888, 49.9804, 63.7118



27.6732, 15.7014, 4.9418

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.



59.4501, 49.9804, 30.6299



34.3888, 49.9804, 63.7118



63.0936, 49.9804, 68.7266

Square

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



34.3888, 49.9804, 63.7118



50.6472, 49.9804, 107.6365



63.5924, 49.9804, 46.0789



44.4953, 49.9804, 22.4790

Rectangle

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



34.3888, 49.9804, 63.7118



40.8454, 49.9804, 101.3225



63.5924, 49.9804, 46.0789



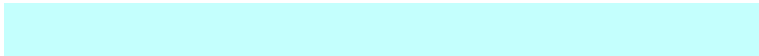
54.8515, 49.9804, 24.8235

Sweetspot

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



34.3903, 49.9823, 63.7130



76.3160, 90.3827, 106.1961



24.6488, 46.1326, 10.2958



15.8246, 19.0840, 22.6454



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.



34.3903, 49.9823, 63.7130



52.6656, 78.3107, 99.6565



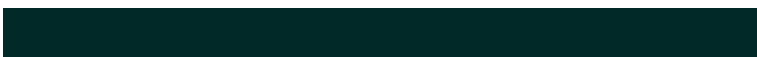
21.3002, 22.6425, 62.9244



12.1385, 13.3992, 15.0859



20.5820, 30.7257, 39.0403



1.1569, 1.7204, 2.2149

Inverse Universe

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



27.6732, 15.7014, 4.9418



41.6482, 21.7655, 3.0243



33.1780, 26.9184, 6.1375



11.8263, 11.8153, 12.3613



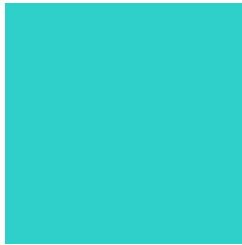
16.2468, 8.3715, 0.9397



0.9148, 0.4706, 0.0863

Previews

White Background



This preview shows how the XYZ color 34.3888, 49.9804, 63.7118 looks on a white background.

Color Contrast Check

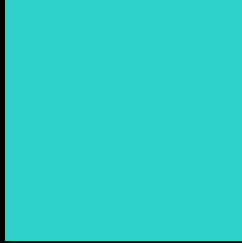
Large Text (above 18pt) WCAG AA × Fail

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 34.3888, 49.9804, 63.7118 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

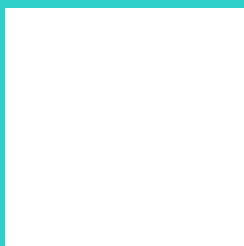
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3888, 49.9804, 63.7118

Background



This preview shows how black text looks on a background with the XYZ color 34.3888, 49.9804, 63.7118.

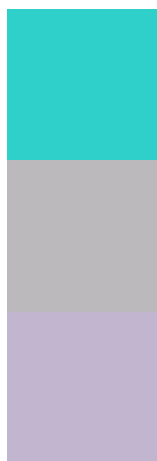


This preview shows how white text looks on a background with the XYZ color 34.3888, 49.9804,

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

34.3888, 49.9804, 63.7118

Protanopia

47.1651, 49.0201, 54.5529

Deuteranopia

50.1572, 49.0711, 66.5026



Tritanopia

37.0027, 49.9607, 76.8004

Trichromacy



Original Color

34.3888, 49.9804, 63.7118



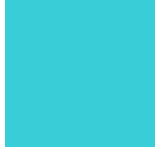
Protanomaly

39.0121, 47.3085, 57.5274



Deuteranomaly

40.7559, 47.3806, 65.3898



Tritanomaly

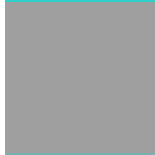
36.0244, 49.9188, 72.0266

Monochromacy



Original Color

34.3888, 49.9804, 63.7118



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.9312, 38.3910, 46.3374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3888, 49.9804, 63.7118 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(47, 208, 202)` looks like.

```
.text, #text, p{  
    color:rgb(47, 208, 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(47, 208, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 208, 202) }
```

Border

The CSS property to change the border of an element to XYZ 34.3888, 49.9804, 63.7118 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(47, 208, 202) }
```


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

```
.border{ border-color:rgb(47, 208, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 208, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 208, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 208, 202);  
box-shadow:4px 4px 4px 4px rgb(47, 208,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3888, 49.9804, 63.7118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 208, 202) }
```

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

```
.background{ background-color: rgb(47, 208,  
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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