

# Converting Colors

XYZ(21.0977, 46.2755, 57.4557)

Have a look what the booklet for  
XYZ(21.0977, 46.2755, 57.4557)  
contains.

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# Color

**XYZ(34.0703, 52.9175,  
58.2876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D8C0
RGB	0, 216, 192
RGB Percent	0%, 85%, 75%
CMY	0.9998, 0.1529, 0.2471
CMYK	1.00, 0.00, 0.11, 0.15
HSL	173°, 100%, 42%
HSV	173°, 100%, 85%
XYZ	34.0703, 52.9175, 58.2876
YIQ	148.6800, -121.0320, -53.2560

# Conversions

## Conversions Part 2

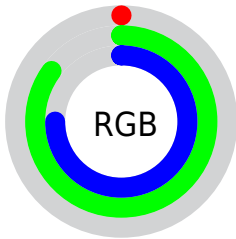
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 114, 216
Decimal	55488
CIELab	77.83, -49.24, -0.62
CIELCh	78, 49.247, 180.726
Yxy	52.9175, 0.2345, 0.3643
Android (android.graphics.Color)	4278245568 (0xFF00D8C0)
YUV	148.6800, 21.3568, -130.3924
Hunter-Lab	72.7444, -43.7011, 3.4141

# Details

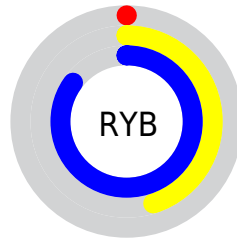
The XYZ color **34.0703, 52.9175, 58.2876** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **28.4856, 14.6664, 2.1960**, and the grayscale version is **28.3880, 29.8664, 32.5245**.

A 20% lighter version of the original color is **58.8876, 81.4855, 101.4315**, and **17.2310, 27.0057, 28.7305** is the 20% darker color. If you saturate the color by 10%, you get **34.0708, 52.9190, 58.2862**, and if you desaturate by 10%, it is **34.6626, 53.1931, 59.7165**.

# Distribution



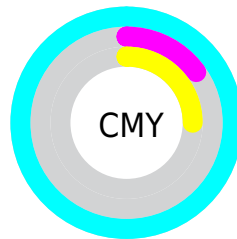
- Red (0%)
- Green (85%)
- Blue (75%)



- Red (0%)
- Yellow (45%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (15%)




- Cyan (100%)
- Magenta (15%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0703, 52.9175, 58.2876 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 34.0703, 52.9175, 58.2876 by changing the saturation by 10% instead.





 34.0703, 52.9175,  
58.2876


 34.0703, 52.9175,  
58.2876


312.0258,  
397.9685, 435.8849


 23.1108, 37.7369,  
41.6237


 65.3865, 94.4830,  
103.8605


 14.7965, 25.7786,  
28.4834


 86.4739, 121.6366,  
133.6065


 8.7620, 16.6581,  
18.4481


 111.6680,  
153.5501, 168.5503

 4.6422, 9.9910,  
11.0994

 141.3341,  
190.6078, 209.1104

 2.0715, 5.3930,  
6.0187

 175.8376,  
233.1941, 255.7054

 0.6736, 2.4796,  
2.7875

215.5438,

 0.0000, 0.8664,

281.6934, 308.7538

0.9872

260.8181,  
336.4901, 368.6741

■ 0.0000, 0.0000,  
0.0000

■ 34.0703, 52.9175,  
58.2876

■ 34.0703, 52.9175,  
58.2876

■ 34.0708, 52.9190,  
58.2862

■ 34.6626, 53.1931,  
59.7165

■ 35.6186, 53.6544,  
61.1840

■ 37.0587, 54.3648,  
62.6971

■ 39.0491, 55.3584,  
64.2588

■ 41.6458, 56.6641,  
65.8720

■ 44.8978, 58.3070,  
67.5390

■ 48.8490, 60.3098,  
69.2621

■ 53.5394, 62.6933,  
71.0431

■ 59.0064, 65.4765,  
72.8839

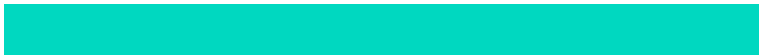
# Harmonies

## Analogous

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



35.9112, 52.9175, 35.5273



34.0703, 52.9175, 58.2876



36.0975, 52.9175, 88.9031

# Triad

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



34.0703, 52.9175, 58.2876



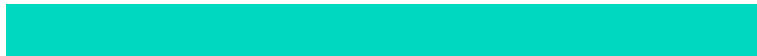
60.2806, 52.9175, 115.7227



59.8267, 52.9175, 22.8269

# Complementary

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



34.0703, 52.9175, 58.2876



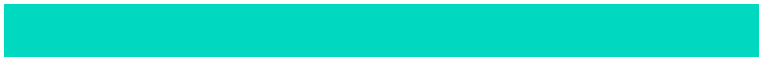
28.4856, 14.6664, 2.1960

# 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.



67.8021, 52.9175, 34.6971



34.0703, 52.9175, 58.2876



68.0866, 52.9175, 87.3697

# Square

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



34.0703, 52.9175, 58.2876



50.5297, 52.9175, 127.8775



70.9968, 52.9175, 56.9539



50.0640, 52.9175, 19.3925

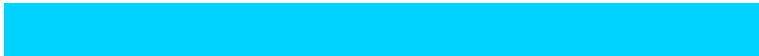


# Rectangle

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



34.0703, 52.9175, 58.2876



39.5388, 52.9175, 108.7082



70.9968, 52.9175, 56.9539



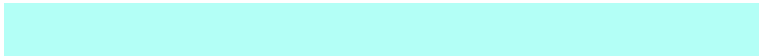
62.8473, 52.9175, 25.7282

# Sweetspot

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



34.0718, 52.9195, 58.2889



70.9462, 87.7287, 100.7841



24.9637, 49.3232, 8.2058



14.6367, 18.4992, 21.3414



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.



34.0718, 52.9195, 58.2889



49.5782, 77.0473, 84.6857



20.8130, 21.7930, 68.0775



12.7300, 14.0830, 15.6584



20.1908, 31.3317, 34.6300



1.2352, 1.8967, 2.1801



# Inverse Universe

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



28.4856, 14.6664, 2.1960



41.4537, 21.3455, 3.0553



31.4001, 20.7595, 2.3532



12.4788, 12.4430, 13.1957



16.8794, 8.6881, 1.4029

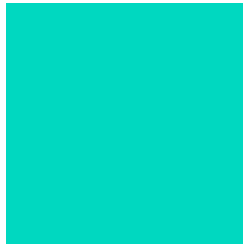


1.0374, 0.5317, 0.1863



# Previews

## White Background



This preview shows how the XYZ color 34.0703, 52.9175, 58.2876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

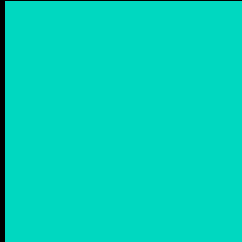
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.0703, 52.9175, 58.2876 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

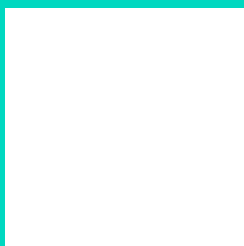
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.0703, 52.9175, 58.2876**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.0703, 52.9175, 58.2876.



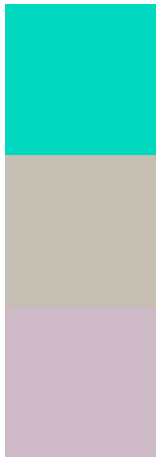
This preview shows how white text looks on a background with the XYZ color 34.0703, 52.9175,



# 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

34.0703, 52.9175, 58.2876

### Protanopia

49.4753, 51.9116, 49.5318

### Deuteranopia

53.1114, 51.9433, 61.2596



## Tritanopia

38.9287, 53.0307, 81.5830

# Trichromacy



## Original Color

34.0703, 52.9175, 58.2876



## Protanomaly

37.4281, 48.6257, 52.2128



## Deuteranomaly

39.0638, 48.2907, 59.4867



## Tritanomaly

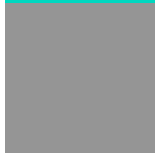
36.7875, 52.8699, 72.5560

# Monochromacy



## Original Color

34.0703, 52.9175, 58.2876



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

26.4544, 35.0366, 40.9658

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.0703, 52.9175, 58.2876 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(0, 216, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 192)  
}
```

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(0, 216, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 34.0703, 52.9175, 58.2876 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(0, 216, 192) }
```



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

```
.border{ border-color:rgb(0, 216, 192) }
```

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

Here you see how a box with a 4 pixel rgb(0, 216, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.0703, 52.9175, 58.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 192) }
```

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

```
.background{ background-color: rgb(0, 216,  
192) }
```

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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