

# Converting Colors

XYZ(34.6960, 52.1182, 66.4841)

Have a look what the booklet for  
XYZ(34.6960, 52.1182, 66.4841)  
contains.

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# Color

**XYZ(35.1871, 52.5494,  
66.6810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D6CE
RGB	0, 214, 206
RGB Percent	0%, 84%, 81%
CMY	0.9998, 0.1608, 0.1922
CMYK	1.00, 0.00, 0.04, 0.16
HSL	178°, 100%, 42%
HSV	178°, 100%, 84%
XYZ	35.1871, 52.5494, 66.6810
YIQ	149.1020, -124.9760, -47.8560

# Conversions

## Conversions Part 2

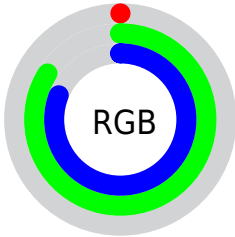
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 109, 214
Decimal	54990
CIELab	77.61, -44.46, -8.45
CIELCh	78, 45.259, 190.758
Yxy	52.5494, 0.2279, 0.3403
Android (android.graphics.Color)	4278245070 (0xFF00D6CE)
YUV	149.1020, 28.0507, -130.7625
Hunter-Lab	72.4910, -40.2153, -3.7944

# Details

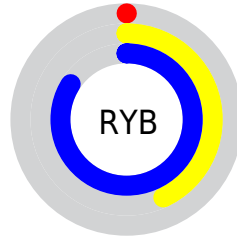
The XYZ color **35.1871, 52.5494, 66.6810** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.7770, 14.3151, 1.5300**, and the grayscale version is **28.5391, 30.0253, 32.6976**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.8944, 26.7207, 33.9202** is the 20% darker color. If you saturate the color by 10%, you get **35.1880, 52.5510, 66.6813**, and if you desaturate by 10%, it is **35.6044, 52.7544, 67.2106**.

# Distribution



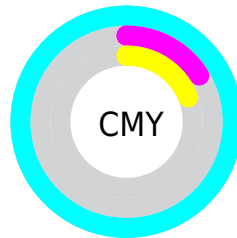
- Red (0%)
- Green (84%)
- Blue (81%)



- Red (0%)
- Yellow (43%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (16%)




- Cyan (100%)
- Magenta (16%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1871, 52.5494, 66.6810 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 35.1871, 52.5494, 66.6810 by changing the saturation by 10% instead.





 35.1871, 52.5494,  
66.6810


 35.1871, 52.5494,  
66.6810


316.8870,  
396.5539, 467.2790


 23.9742, 37.4432,  
48.3655


 67.1076, 93.9410,  
116.0995


 15.4391, 25.5508,  
33.7543


 88.5460, 120.9951,  
148.0395


 9.2165, 16.4879,  
22.4291


 114.1236,  
152.8007, 185.3582

 4.9409, 9.8701,  
13.9712

 144.2057,  
189.7421, 228.4739

 2.2470, 5.3129,  
7.9621

 179.1578,  
232.2038, 277.8053

 0.7673, 2.4320,  
3.9833

219.3451,

 0.0000, 0.8423,

280.5700, 333.7710

1.6162

265.1330,  
335.2253, 396.7893

■ 0.0000, 0.0000,  
0.3023

■ 0.0000, 0.0000,  
0.0000

■ 35.1871, 52.5494,  
66.6810

■ 35.1871, 52.5494,  
66.6810

■ 35.1880, 52.5510,  
66.6813

■ 35.6044, 52.7544,  
67.2106

■ 36.3733, 53.1395,  
67.7581

■ 37.6123, 53.7668,  
68.3301

■ 39.3860, 54.6698,  
68.9298

■ 41.7491, 55.8765,  
69.5597

■ 44.7495, 57.4117,  
70.2219

■ 48.4299, 59.2974,  
70.9187

■ 52.8297, 61.5540,  
71.6517

■ 57.9852, 64.2000,  
72.4226

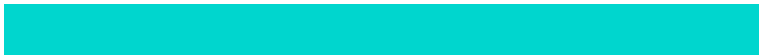
# Harmonies

## Analogous

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



35.6991, 52.5494, 42.7746



35.1871, 52.5494, 66.6810



38.2663, 52.5494, 94.7485

# Triad

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



35.1871, 52.5494, 66.6810



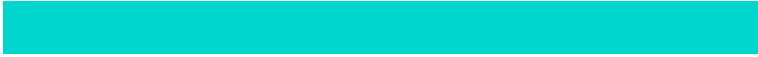
61.7430, 52.5494, 101.9728



55.6931, 52.5494, 22.7411

# Complementary

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



35.1871, 52.5494, 66.6810



27.7770, 14.3151, 1.5300

# 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.



63.7905, 52.5494, 31.1934



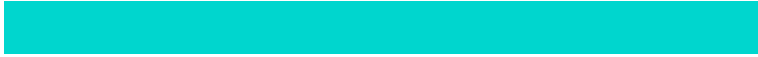
35.1871, 52.5494, 66.6810



67.5553, 52.5494, 74.5924

# Square

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



35.1871, 52.5494, 66.6810



53.1501, 52.5494, 118.7323



68.3455, 52.5494, 48.6944

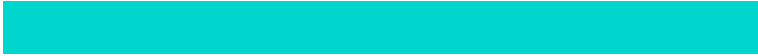


46.8745, 52.5494, 21.7592



# Rectangle

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



35.1871, 52.5494, 66.6810



42.1777, 52.5494, 110.3350



68.3455, 52.5494, 48.6944



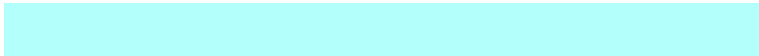
58.6153, 52.5494, 24.6547

# Sweetspot

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



35.1887, 52.5514, 66.6823



71.8278, 88.0813, 105.4267



24.1822, 48.1643, 8.0233



14.8510, 18.5850, 22.4700



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.



35.1887, 52.5514, 66.6823



52.3123, 78.1409, 99.0832



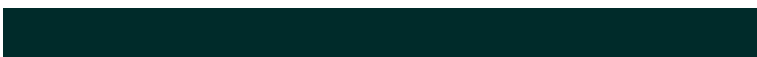
18.5840, 17.7465, 66.0665



12.7712, 14.0995, 15.8755



21.2771, 31.7662, 40.3505



1.2897, 1.9185, 2.4675



# Inverse Universe

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



27.7770, 14.3151, 1.5300



41.2922, 21.2809, 2.2051



31.9452, 22.7217, 2.7032



12.4419, 12.4283, 13.0013



16.7969, 8.6551, 0.9688

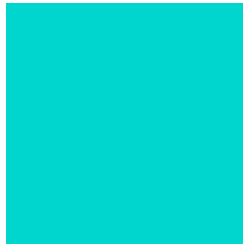


1.0199, 0.5247, 0.0941



# Previews

## White Background



This preview shows how the XYZ color 35.1871, 52.5494, 66.6810 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 35.1871, 52.5494, 66.6810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

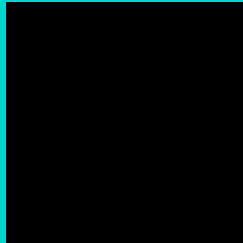
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

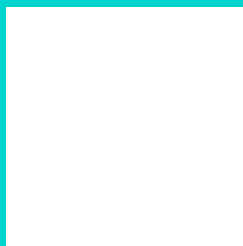
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 35.1871, 52.5494, 66.6810

## Background



This preview shows how black text looks on a background with the XYZ color 35.1871, 52.5494, 66.6810.



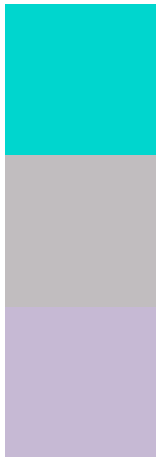
This preview shows how white text looks on a background with the XYZ color 35.1871, 52.5494,



# 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

35.1871, 52.5494, 66.6810

### Protanopia

49.5939, 51.4942, 56.6157

### Deuteranopia

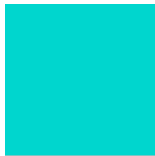
52.5213, 51.4572, 69.4514



## Tritanopia

38.4246, 52.7708, 81.5594

# Trichromacy



## Original Color

35.1871, 52.5494, 66.6810



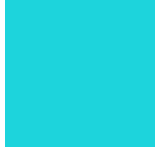
## Protanomaly

38.3263, 48.5846, 59.5823



## Deuteranomaly

39.9770, 48.5686, 68.2404



## Tritanomaly

36.9684, 52.5155, 75.8982

# Monochromacy



## Original Color

35.1871, 52.5494, 66.6810



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

26.9186, 35.2223, 43.4100

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.1871, 52.5494, 66.6810 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, 214, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 206)  
}
```

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, 214, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 35.1871, 52.5494, 66.6810 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, 214, 206) }
```



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

```
.border{ border-color:rgb(0, 214, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 214, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.1871, 52.5494, 66.6810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 206) }
```

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

```
.background{ background-color: rgb(0, 214,  
206) }
```

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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