

# Converting Colors

XYZ(35.3560, 53.8470, 52.3501)

Have a look what the booklet for  
XYZ(35.3560, 53.8470, 52.3501)  
contains.

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# Color

**XYZ(35.2803, 53.6769,  
52.2173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	44D8B5
RGB	68, 216, 181
RGB Percent	27%, 85%, 71%
CMY	0.7333, 0.1529, 0.2902
CMYK	0.69, 0.00, 0.16, 0.15
HSL	166°, 65%, 56%
HSV	166°, 69%, 85%
XYZ	35.2803, 53.6769, 52.2173
YIQ	167.7580, -76.9730, -42.2610

# Conversions

## Conversions Part 2

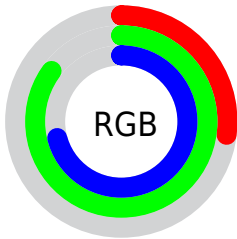
<b>Format</b>	<b>Color</b>
<b>RYB</b>	68, 152, 216
Decimal	4511925
CIELab	78.27, -47.01, 5.99
CIELCh	78, 47.393, 172.737
Yxy	53.6769, 0.2499, 0.3802
Android (android.graphics.Color)	4282702005 (0xFF44D8B5)
YUV	167.7580, 6.5283, -87.4878
Hunter-Lab	73.2645, -42.2568, 9.0278

# Details

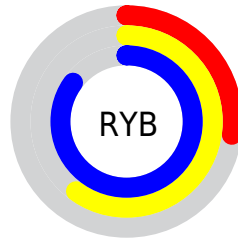
The XYZ color **35.2803, 53.6769, 52.2173** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **32.8361, 19.7140, 14.9087**, and the grayscale version is **37.0985, 39.0305, 42.5042**.

A 20% lighter version of the original color is **60.8776, 82.7028, 92.8754**, and **16.4671, 26.7001, 24.7078** is the 20% darker color. If you saturate the color by 10%, you get **33.5278, 52.8342, 49.4499**, and if you desaturate by 10%, it is **37.6098, 54.8174, 55.1145**.

# Distribution



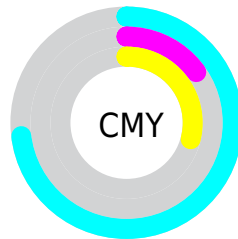
- Red (27%)
- Green (85%)
- Blue (71%)



- Red (27%)
- Yellow (60%)
- Blue (85%)



- Cyan (69%)
- Magenta (0%)
- Yellow (16%)
- Black (15%)




- Cyan (73%)
- Magenta (15%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2803, 53.6769, 52.2173 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 35.2803, 53.6769, 52.2173 by changing the saturation by 10% instead.





 35.2803, 53.6769,  
52.2173


 35.2803, 53.6769,  
52.2173


317.2902,  
400.8767, 412.2557


 24.0464, 38.3434,  
36.7949


 67.2509, 95.5997,  
94.8815


 15.4930, 26.2493,  
24.7542


 88.7184, 122.9578,  
122.9603

 9.2546, 17.0103,  
15.6766


 114.3277,  
155.0928, 156.0950

 4.9661, 10.2418,  
9.1438

 144.4443,  
192.3893, 194.7042

 2.2619, 5.5596,  
4.7370

179.4335,  
235.2315, 239.2063

 0.7751, 2.5792,  
2.0378

219.6606,

 0.0000, 0.9162,

284.0039, 290.0199

0.5783

265.4911,  
339.0908, 347.5635

■ 0.0000, 0.0000,  
0.0000

■ 35.2803, 53.6769,  
52.2173

■ 35.2803, 53.6769,  
52.2173

■ 33.5278, 52.8342,  
49.4499

■ 37.6098, 54.8174,  
55.1145

■ 32.2831, 52.2498,  
46.8043

■ 40.5665, 56.2778,  
58.1412


■ 31.4502, 51.8755,  
44.2762


■ 44.2004, 58.0849,  
61.3021


■ 31.3408, 51.8272,  
43.9100


■ 48.5550, 60.2613,  
64.6001

■ 53.6700, 62.8274,  
68.0382

 59.5824, 65.8022,  
71.6189

 66.3265, 69.2034,  
75.3450

 73.9348, 73.0478,  
79.2189

 79.6590, 75.9184,  
83.1129

# Harmonies

## Analogous

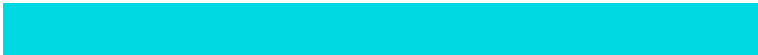
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.0893, 53.6769, 32.6342



35.2803, 53.6769, 52.2173



36.2621, 53.6769, 80.5151

# Triad

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



35.2803, 53.6769, 52.2173



58.2334, 53.6769, 119.4118



62.6077, 53.6769, 26.4689

# Complementary

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



35.2803, 53.6769, 52.2173



32.8361, 19.7140, 14.9087

# 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.



69.3164, 53.6769, 40.8286



35.2803, 53.6769, 52.2173



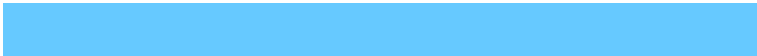
66.5847, 53.6769, 95.1851

# Square

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



35.2803, 53.6769, 52.2173



48.7947, 53.6769, 125.2408



70.8536, 53.6769, 65.1492



53.3084, 53.6769, 20.9856

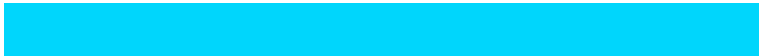


# Rectangle

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



35.2803, 53.6769, 52.2173



38.9983, 53.6769, 100.4574



70.8536, 53.6769, 65.1492



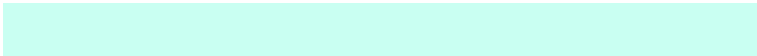
65.2845, 53.6769, 30.1630

# Sweetspot

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



35.2818, 53.6790, 52.2186



76.0460, 90.4309, 97.7155



31.4267, 52.5346, 13.9537



15.8264, 19.1299, 20.6153



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.



35.2818, 53.6790, 52.2186



47.9678, 76.5328, 70.3486



30.9004, 38.4292, 70.7571



12.6607, 14.0553, 15.2939



18.5937, 30.6928, 26.2198



1.1525, 1.8637, 1.7450



# Inverse Universe

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



32.8361, 19.7140, 14.9087



44.2947, 24.0388, 13.2161



34.4157, 25.1212, 8.5049



12.5424, 12.4685, 13.5307



17.1519, 8.7971, 2.8379

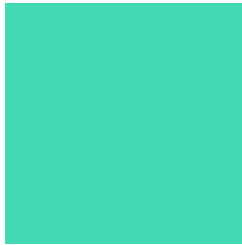


1.0672, 0.5437, 0.3431



# Previews

## White Background



This preview shows how the XYZ color 35.2803, 53.6769, 52.2173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

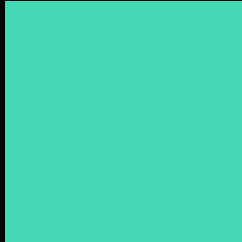
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.2803, 53.6769, 52.2173 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

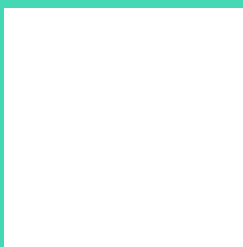
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 35.2803, 53.6769, 52.2173**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.2803, 53.6769, 52.2173.



This preview shows how white text looks on a background with the XYZ color 35.2803, 53.6769,



# 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

35.2803, 53.6769, 52.2173

### Protanopia

49.7861, 52.5063, 44.5565

### Deuteranopia

53.7874, 52.7457, 54.9230



## Tritanopia

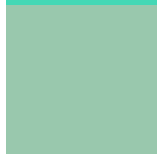
41.0315, 53.7631, 80.8878

# Trichromacy



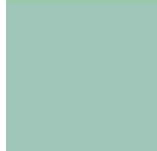
## Original Color

35.2803, 53.6769, 52.2173



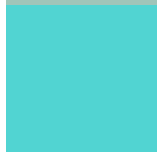
## Protanomaly

41.3340, 51.0980, 47.2195



## Deuteranomaly

43.2204, 50.9089, 53.4474



## Tritanomaly

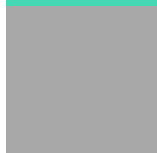
38.5697, 53.4894, 69.2644

# Monochromacy



## Original Color

35.2803, 53.6769, 52.2173



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

34.4075, 42.6206, 45.9483

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2803, 53.6769, 52.2173 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(68, 216, 181)` looks like.

```
.text, #text, p{  
    color:rgb(68, 216, 181)  
}
```

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(68, 216, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 216, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2803, 53.6769, 52.2173 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(68, 216, 181) }
```



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

```
.border{ border-color:rgb(68, 216, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 216, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 216, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 216, 181);  
box-shadow:4px 4px 4px 4px rgb(68, 216,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.2803, 53.6769, 52.2173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 216, 181) }
```

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

```
.background{ background-color: rgb(68, 216,  
181) }
```

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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