

# Converting Colors

XYZ(35.1086, 54.8414, 53.1202)

Have a look what the booklet for  
XYZ(35.1086, 54.8414, 53.1202)  
contains.

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# Color

**XYZ(34.9939, 54.6688,  
52.9637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	30DBB6
RGB	48, 219, 182
RGB Percent	19%, 86%, 71%
CMY	0.8117, 0.1412, 0.2863
CMYK	0.78, 0.00, 0.17, 0.14
HSL	167°, 70%, 52%
HSV	167°, 78%, 86%
XYZ	34.9939, 54.6688, 52.9637
YIQ	163.6530, -90.0390, -47.7590

# Conversions

## Conversions Part 2

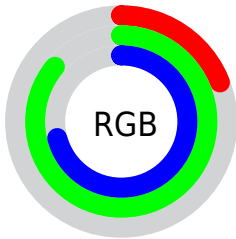
<b>Format</b>	<b>Color</b>
<b>RYB</b>	48, 144, 219
Decimal	3201974
CIELab	78.85, -50.48, 6.24
CIELCh	79, 50.860, 172.948
Yxy	54.6688, 0.2454, 0.3833
Android (android.graphics.Color)	4281392054 (0xFF30DBB6)
YUV	163.6530, 9.0451, -101.4277
Hunter-Lab	73.9384, -44.9108, 9.2861

# Details

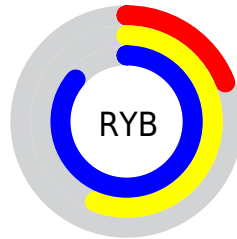
The XYZ color **34.9939, 54.6688, 52.9637** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **31.9119, 17.8313, 10.3563**, and the grayscale version is **35.1127, 36.9413, 40.2290**.

A 20% lighter version of the original color is **59.2187, 81.8306, 93.5627**, and **17.0596, 27.7794, 25.2317** is the 20% darker color. If you saturate the color by 10%, you get **33.7232, 54.0707, 50.3917**, and if you desaturate by 10%, it is **36.7936, 55.5403, 55.6495**.

# Distribution



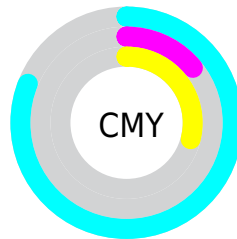
- Red (19%)
- Green (86%)
- Blue (71%)



- Red (19%)
- Yellow (56%)
- Blue (86%)



- Cyan (78%)
- Magenta (0%)
- Yellow (17%)
- Black (14%)




- Cyan (81%)
- Magenta (14%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9939, 54.6688, 52.9637 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 34.9939, 54.6688, 52.9637 by changing the saturation by 10% instead.





 34.9939, 54.6688,  
52.9637


 34.9939, 54.6688,  
52.9637


316.0499,  
404.6552, 415.2082


 23.8247, 39.1366,  
37.3863


 66.8104, 97.0555,  
95.9920


 15.3276, 26.8660,  
25.2086


 88.1884, 124.6789,  
124.2799


 9.1375, 17.4726,  
16.0121


 113.7000,  
157.1014, 157.6417

 4.8888, 10.5720,  
9.3783

 143.7106,  
194.7074, 196.4959

 2.2162, 5.7798,  
4.8885

 178.5855,  
237.8815, 241.2612

 0.7513, 2.7117,  
2.1244

218.6901,

 0.0000, 0.9831,

287.0078, 292.3559

0.6302

264.3898,  
342.4710, 350.1987

■ 0.0000, 0.0000,  
0.0000

■ 34.9939, 54.6688,  
52.9637

■ 34.9939, 54.6688,  
52.9637

■ 33.7232, 54.0707,  
50.3917

■ 36.7936, 55.5403,  
55.6495

■ 32.8819, 53.6907,  
47.9242


■ 39.1839, 56.7131,  
58.4490


■ 32.7417, 53.6286,  
47.4609


■ 42.2229, 58.2183,  
61.3671


■ 45.9602, 60.0816,  
64.4069

■ 50.4406, 62.3259,  
67.5713

 55.7051, 64.9725,  
70.8629

 61.7918, 68.0408,  
74.2844

 68.7359, 71.5492,  
77.8381

 76.5709, 75.5148,  
81.5264

# Harmonies

## Analogous

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



37.9701, 54.6688, 31.9406



34.9939, 54.6688, 52.9637



36.0712, 54.6688, 83.9107

# Triad

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



34.9939, 54.6688, 52.9637



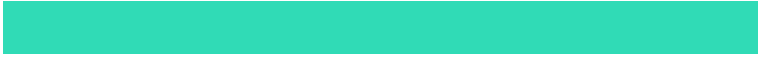
59.8946, 54.6688, 126.7122



64.5433, 54.6688, 25.2925

# Complementary

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



34.9939, 54.6688, 52.9637



31.9119, 17.8313, 10.3563

# 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.



71.9423, 54.6688, 40.3908



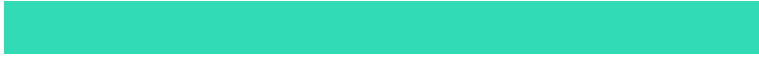
34.9939, 54.6688, 52.9637



69.0251, 54.6688, 99.6511

# Square

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



34.9939, 54.6688, 52.9637



49.6165, 54.6688, 133.4048



73.6803, 54.6688, 66.6070



54.3784, 54.6688, 19.6694



# Rectangle

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



34.9939, 54.6688, 52.9637



39.0199, 54.6688, 105.9492



73.6803, 54.6688, 66.6070



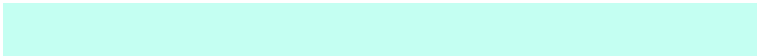
67.4873, 54.6688, 29.1372

# Sweetspot

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



34.9954, 54.6709, 52.9650



74.6895, 89.7321, 97.6311



29.6176, 52.8123, 11.4300



15.4243, 18.9239, 20.5375



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.



34.9954, 54.6709, 52.9650



46.7570, 75.9421, 68.7758



28.4849, 34.7012, 72.2169



13.3179, 14.7788, 16.1372



19.4556, 31.8149, 28.3625



1.2910, 2.0734, 1.9986



# Inverse Universe

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



31.9119, 17.8313, 10.3563



42.4333, 22.0175, 7.3501



33.9728, 23.7235, 5.5857



13.1708, 13.0974, 14.1606



17.6644, 9.0668, 2.6126

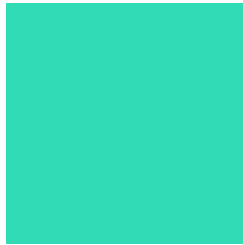


1.1766, 0.6003, 0.3391



# Previews

## White Background



This preview shows how the XYZ color 34.9939, 54.6688, 52.9637 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 34.9939, 54.6688, 52.9637 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

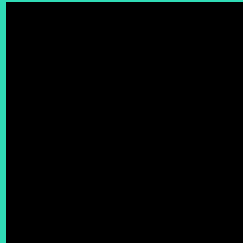
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

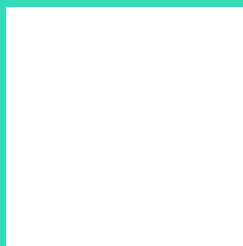
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.9939, 54.6688, 52.9637**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9939, 54.6688, 52.9637.



This preview shows how white text looks on a background with the XYZ color 34.9939, 54.6688,



# 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

34.9939, 54.6688, 52.9637

### Protanopia

50.7664, 53.6636, 44.7282

### Deuteranopia

54.6872, 53.5109, 55.5904



## Tritanopia

40.8870, 54.3779, 83.2039

# Trichromacy



## Original Color

34.9939, 54.6688, 52.9637



## Protanomaly

40.6960, 51.4612, 47.3233



## Deuteranomaly

42.6128, 51.2620, 54.1030



## Tritanomaly

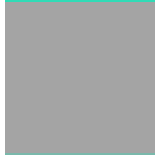
38.5574, 54.5632, 71.4504

# Monochromacy



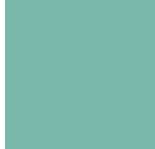
## Original Color

34.9939, 54.6688, 52.9637



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

32.5172, 41.3588, 44.7973

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9939, 54.6688, 52.9637 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(48, 219, 182)` looks like.

```
.text, #text, p{  
    color:rgb(48, 219, 182)  
}
```

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(48, 219, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 219, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9939, 54.6688, 52.9637 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(48, 219, 182) }
```



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

```
.border{ border-color:rgb(48, 219, 182) }
```

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

Here you see how a box with a 4 pixel rgb(48, 219, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 219, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 219, 182);  
box-shadow:4px 4px 4px 4px rgb(48, 219,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9939, 54.6688, 52.9637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 219, 182) }
```

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

```
.background{ background-color: rgb(48, 219,  
182) }
```

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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