

# Converting Colors

XYZ(36.2074, 57.6076, 54.3492)

Have a look what the booklet for  
XYZ(36.2074, 57.6076, 54.3492)  
contains.

<b>XYZ(36.2701, 57.6684, 54.5669)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(36.2701, 57.6684,  
54.5669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23E1B8
RGB	35, 225, 184
RGB Percent	14%, 88%, 72%
CMY	0.8627, 0.1176, 0.2784
CMYK	0.84, 0.00, 0.18, 0.12
HSL	167°, 76%, 51%
HSV	167°, 84%, 88%
XYZ	36.2701, 57.6684, 54.5669
YIQ	163.5160, -100.0790, -53.0310

# Conversions

## Conversions Part 2

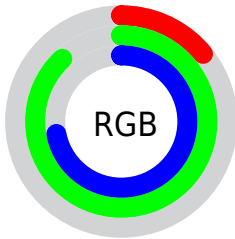
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 141, 225
Decimal	2351544
CIELab	80.55, -53.52, 7.61
CIELCh	81, 54.054, 171.906
Yxy	57.6684, 0.2442, 0.3883
Android (android.graphics.Color)	4280541624 (0xFF23E1B8)
YUV	163.5160, 10.0986, -112.7085
Hunter-Lab	75.9397, -47.6399, 10.5546

# Details

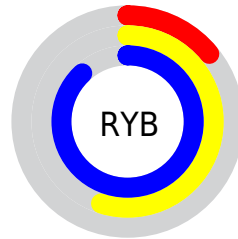
The XYZ color **36.2701, 57.6684, 54.5669** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **32.9590, 17.7331, 8.5262**, and the grayscale version is **35.0472, 36.8724, 40.1540**.

A 20% lighter version of the original color is **58.8243, 81.5932, 95.0868**, and **18.2847, 30.0146, 26.3024** is the 20% darker color. If you saturate the color by 10%, you get **35.2365, 57.1948, 51.9079**, and if you desaturate by 10%, it is **37.8129, 58.4053, 57.3436**.

# Distribution



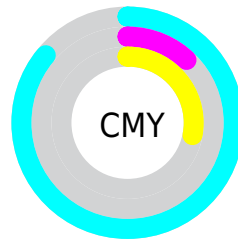
- Red (14%)
- Green (88%)
- Blue (72%)



- Red (14%)
- Yellow (55%)
- Blue (88%)



- Cyan (84%)
- Magenta (0%)
- Yellow (18%)
- Black (12%)




- Cyan (86%)
- Magenta (12%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2701, 57.6684, 54.5669 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 36.2701, 57.6684, 54.5669 by changing the saturation by 10% instead.





 36.2701, 57.6684,  
54.5669


 36.2701, 57.6684,  
54.5669


321.5502,  
415.9492, 421.5037


 24.8139, 41.5421,  
38.6588


 68.7699, 101.4398,  
98.3709


 16.0665, 28.7429,  
26.1886


 90.5443, 129.8537,  
127.1039


 9.6624, 18.8864,  
16.7378


 116.4887,  
163.1323, 160.9489

 5.2362, 11.5882,  
9.8877

 146.9687,  
201.6600, 200.3245

 2.4227, 6.4640,  
5.2200

 182.3494,  
245.8211, 245.6493

 0.8564, 3.1292,  
2.3159

222.9964,

 0.0000, 1.1996,

296.0001, 297.3417

0.7401

269.2749,  
352.5813, 355.8203

■ 0.0000, 0.0613,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 36.2701, 57.6684,  
54.5669

■ 36.2701, 57.6684,  
54.5669

■ 35.2365, 57.1948,  
51.9079

■ 37.8129, 58.4053,  
57.3436

■ 34.8068, 57.0045,  
50.4741

■ 39.9412, 59.4406,  
60.2385


■ 42.7231, 60.8108,  
63.2569


■ 46.2162, 62.5456,  
66.4026

 50.4714, 64.6711,  
69.6785

 55.5350, 67.2113,  
73.0879

 61.4495, 70.1880,  
76.6335

 68.2545, 73.6216,  
80.3179

 75.9870, 77.5311,  
84.1437

# Harmonies

## Analogous

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



39.6636, 57.6684, 32.1098



36.2701, 57.6684, 54.5669



37.2889, 57.6684, 88.4869

# Triad

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



36.2701, 57.6684, 54.5669



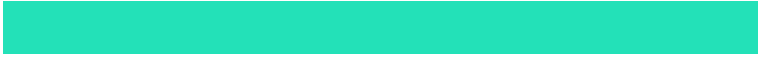
63.1724, 57.6684, 138.3526



69.0724, 57.6684, 25.9073

# Complementary

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



36.2701, 57.6684, 54.5669



32.9590, 17.7331, 8.5262

# 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.



77.1108, 57.6684, 42.6241



36.2701, 57.6684, 54.5669



73.3967, 57.6684, 108.5914

# Square

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



36.2701, 57.6684, 54.5669



51.8597, 57.6684, 144.8995



78.7918, 57.6684, 71.8027



57.8744, 57.6684, 19.6160

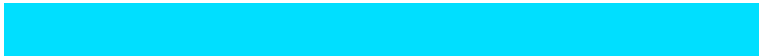


# Rectangle

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



36.2701, 57.6684, 54.5669



40.4042, 57.6684, 113.1442



78.7918, 57.6684, 71.8027



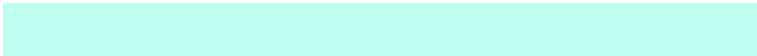
72.2929, 57.6684, 30.1576

# Sweetspot

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



36.2717, 57.6706, 54.5683



73.2222, 88.9942, 96.7272



30.2245, 55.5176, 10.7142



15.1425, 18.7823, 20.3573



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.



36.2717, 57.6706, 54.5683



46.1816, 75.6886, 66.7995



28.8804, 34.9854, 76.4673



13.9833, 15.5190, 16.9472



20.1014, 32.8654, 29.3207



1.4252, 2.2908, 2.2003



# Inverse Universe

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



32.9590, 17.7331, 8.5262



41.9304, 21.5361, 5.5653



34.9155, 23.2485, 4.2384



13.8277, 13.7487, 14.8628



18.2426, 9.3640, 2.6773

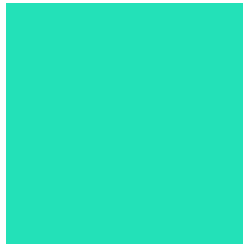


1.2976, 0.6623, 0.3598



# Previews

## White Background



This preview shows how the XYZ color 36.2701, 57.6684, 54.5669 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 36.2701, 57.6684, 54.5669 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

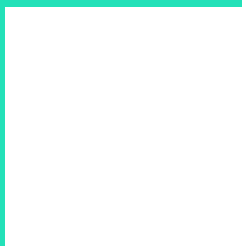
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.2701, 57.6684, 54.5669**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.2701, 57.6684, 54.5669.



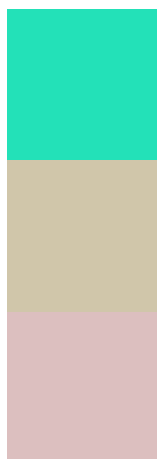
This preview shows how white text looks on a background with the XYZ color 36.2701, 57.6684,



# 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

36.2701, 57.6684, 54.5669

### Protanopia

53.4622, 56.7003, 46.1567

### Deuteranopia

57.5500, 56.2388, 57.1122



## Tritanopia

42.9594, 57.6154, 88.2136

# Trichromacy



## Original Color

36.2701, 57.6684, 54.5669



## Protanomaly

41.9708, 54.2266, 48.8121



## Deuteranomaly

43.5699, 53.1150, 55.5328



## Tritanomaly

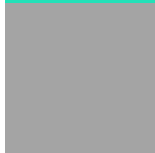
40.1845, 57.6525, 74.6557

# Monochromacy



## Original Color

36.2701, 57.6684, 54.5669



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

32.2457, 41.8400, 44.9045

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2701, 57.6684, 54.5669 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(35, 225, 184)` looks like.

```
.text, #text, p{  
    color:rgb(35, 225, 184)  
}
```

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(35, 225, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 225, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2701, 57.6684, 54.5669 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(35, 225, 184) }
```



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

```
.border{ border-color:rgb(35, 225, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 225, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 225, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 225, 184);  
box-shadow:4px 4px 4px 4px rgb(35, 225,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2701, 57.6684, 54.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 225, 184) }
```

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

```
.background{ background-color: rgb(35, 225,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor