

# Converting Colors

XYZ(37.0130, 60.0584, 48.4855)

Have a look what the booklet for  
XYZ(37.0130, 60.0584, 48.4855)  
contains.

<b>XYZ(37.1594, 60.3023, 48.7107)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(37.1594, 60.3023,  
48.7107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	34E6AC
RGB	52, 230, 172
RGB Percent	20%, 90%, 67%
CMY	0.7960, 0.0980, 0.3255
CMYK	0.77, 0.00, 0.25, 0.10
HSL	160°, 78%, 55%
HSV	160°, 77%, 90%
XYZ	37.1594, 60.3023, 48.7107
YIQ	170.1660, -87.4700, -55.7740

# Conversions

## Conversions Part 2

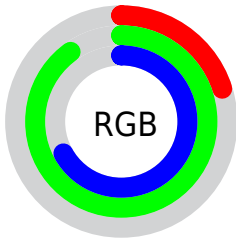
Format	Color
<a href="#">RYB</a>	<a href="#">52, 158, 230</a>
Decimal	<a href="#">3466924</a>
CIELab	<a href="#">82.00, -56.82, 16.01</a>
CIELCh	<a href="#">82, 59.029, 164.266</a>
Yxy	<a href="#">60.3023, 0.2542, 0.4125</a>
Android (android.graphics.Color)	<a href="#">4281657004 (0xFF34E6AC)</a>
YUV	<a href="#">170.1660, 0.9042, -103.6316</a>
Hunter-Lab	<a href="#">77.6546, -50.4793, 17.1671</a>

# Details

The XYZ color **37.1594, 60.3023, 48.7107** 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 **36.6777, 20.4063, 16.7602**, and the grayscale version is **38.3201, 40.3157, 43.9038**.

A 20% lighter version of the original color is **58.2293, 81.5017, 85.3354**, and **18.3337, 31.2432, 22.8336** is the 20% darker color. If you saturate the color by 10%, you get **35.5515, 59.5558, 44.9842**, and if you desaturate by 10%, it is **39.3872, 61.3668, 52.6808**.

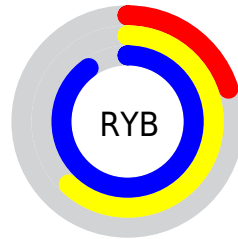
# Distribution



Red (20%)

Green (90%)

Blue (67%)



Red (20%)

Yellow (62%)

Blue (90%)

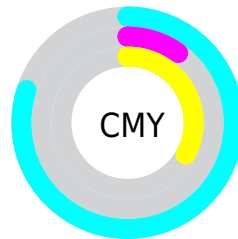


Cyan (77%)

Magenta (0%)

Yellow (25%)

Black (10%)



Cyan (80%)

Magenta (10%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1594, 60.3023, 48.7107 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 37.1594, 60.3023, 48.7107 by changing the saturation by 10% instead.



37.1594, 60.3023,  
48.7107

37.1594, 60.3023,  
48.7107

325.3437,  
425.7111, 398.1920

25.5052, 43.6623,  
34.0261

70.1301, 105.2681,  
89.6382

16.5846, 30.4051,  
22.6361

92.1773, 134.3627,  
116.7181

10.0322, 20.1463,  
14.1223

118.4195,  
168.3776, 148.7668

5.4827, 12.5014,  
8.0660

149.2222,  
207.6973, 186.2029

2.5708, 7.0861,  
4.0489

184.9505,  
252.7061, 229.4450

0.9311, 3.5160,  
1.6522

225.9700,

0.0000, 1.4067,

303.7884, 278.9115

0.3277

272.6459,  
361.3286, 335.0209

■ 0.0000, 0.2217,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 37.1594, 60.3023,  
48.7107

■ 37.1594, 60.3023,  
48.7107

■ 35.5515, 59.5558,  
44.9842

■ 39.3872, 61.3668,  
52.6808


■ 34.4599, 59.0693,  
41.4890


■ 42.3045, 62.7804,  
56.8972


■ 34.2189, 58.9642,  
40.6122


■ 45.9766, 64.5783,  
61.3676


■ 50.4595, 66.7893,  
66.0978

 55.8039, 69.4394,  
71.0933

 62.0562, 72.5524,  
76.3594

 69.2593, 76.1506,  
81.9012

 77.4534, 80.2544,  
87.7234

 85.1854, 84.1148,  
93.7611

# Harmonies

## Analogous

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



42.1270, 60.3023, 27.6810



37.1594, 60.3023, 48.7107



37.0402, 60.3023, 84.1180

# Triad

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



37.1594, 60.3023, 48.7107



63.4428, 60.3023, 157.4786



76.3011, 60.3023, 28.3878

# Complementary

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



37.1594, 60.3023, 48.7107



36.6777, 20.4063, 16.7602

# 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.



83.8983, 60.3023, 50.1195



37.1594, 60.3023, 48.7107



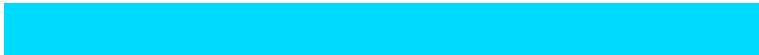
75.7756, 60.3023, 128.2925

# Square

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



37.1594, 60.3023, 48.7107



51.0437, 60.3023, 156.6624



83.6931, 60.3023, 86.1427



64.0811, 60.3023, 19.1996



# Rectangle

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



37.1594, 60.3023, 48.7107



39.6632, 60.3023, 112.5239



83.6931, 60.3023, 86.1427



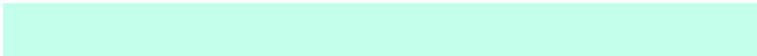
79.5542, 60.3023, 34.0357

# Sweetspot

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



37.1610, 60.3047, 48.7121



73.7402, 89.3524, 92.6321



35.5162, 60.2454, 13.0063



15.1924, 18.8311, 19.3164



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.



37.1610, 60.3047, 48.7121



44.0147, 74.8504, 54.1012



36.4326, 47.9088, 82.1929



14.5972, 16.2523, 17.4097



19.4305, 33.4043, 23.2994



1.4781, 2.4854, 1.9442



# Inverse Universe

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



36.6777, 20.4063, 16.7602



43.5252, 22.5163, 12.9090



36.2471, 23.0571, 5.7897



14.5696, 14.4450, 15.9341



19.2430, 9.8314, 4.9086

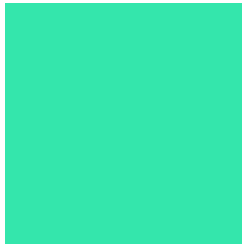


1.4635, 0.7431, 0.5811



# Previews

## White Background



This preview shows how the XYZ color 37.1594, 60.3023, 48.7107 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 37.1594, 60.3023, 48.7107 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

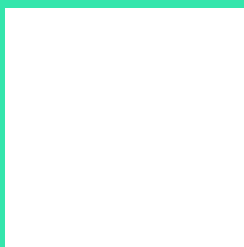
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.1594, 60.3023, 48.7107**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.1594, 60.3023, 48.7107.



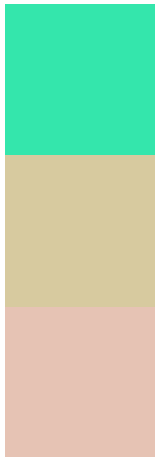
This preview shows how white text looks on a background with the XYZ color 37.1594, 60.3023,



# 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

37.1594, 60.3023, 48.7107

### Protanopia

55.4029, 59.1913, 41.3059

### Deuteranopia

60.3865, 59.1485, 51.4141



## Tritanopia

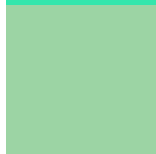
45.4609, 60.0196, 90.8503

# Trichromacy



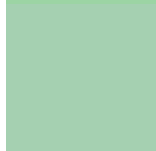
## Original Color

37.1594, 60.3023, 48.7107



## Protanomaly

43.9546, 56.8352, 43.7756



## Deuteranomaly

46.0087, 56.2854, 50.0342



## Tritanomaly

41.8230, 59.7135, 73.6115

# Monochromacy



## Original Color

37.1594, 60.3023, 48.7107



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

34.9527, 45.1516, 45.4010

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.1594, 60.3023, 48.7107 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(52, 230, 172)` looks like.

```
.text, #text, p{  
    color:rgb(52, 230, 172)  
}
```

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(52, 230, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 230, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 37.1594, 60.3023, 48.7107 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(52, 230, 172) }
```



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

```
.border{ border-color:rgb(52, 230, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 230, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 230, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 230, 172);  
box-shadow:4px 4px 4px 4px rgb(52, 230,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.1594, 60.3023, 48.7107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 230, 172) }
```

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

```
.background{ background-color: rgb(52, 230,  
172) }
```

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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