

# Converting Colors

XYZ(37.6211, 61.8796, 53.7355)

Have a look what the booklet for  
XYZ(37.6211, 61.8796, 53.7355)  
contains.

<b>XYZ(37.4794, 61.6140, 53.6334)</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(37.4794, 61.6140,  
53.6334)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E9B5
RGB	0, 233, 181
RGB Percent	0%, 91%, 71%
CMY	0.9999, 0.0863, 0.2902
CMYK	1.00, 0.00, 0.22, 0.09
HSL	167°, 100%, 46%
HSV	167°, 100%, 91%
XYZ	37.4794, 61.6140, 53.6334
YIQ	157.4050, -122.1760, -65.5680

# Conversions

## Conversions Part 2

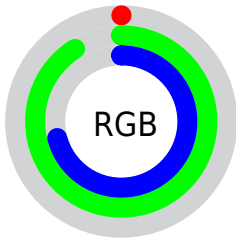
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 131, 233
Decimal	59829
CIELab	82.71, -58.81, 12.23
CIELCh	83, 60.071, 168.248
Yxy	61.6140, 0.2454, 0.4034
Android (android.graphics.Color)	4278249909 (0xFF00E9B5)
YUV	157.4050, 11.6323, -138.0442
Hunter-Lab	78.4946, -52.1358, 14.4348

# Details

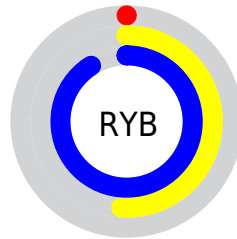
The XYZ color **37.4794, 61.6140, 53.6334** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **34.2265, 17.5733, 4.8413**, and the grayscale version is **32.2245, 33.9027, 36.9200**.

A 20% lighter version of the original color is **57.6016, 81.0139, 92.7221**, and **19.4216, 32.6092, 25.6927** is the 20% darker color. If you saturate the color by 10%, you get **37.4798, 61.6158, 53.6305**, and if you desaturate by 10%, it is **38.3856, 62.0199, 56.5155**.

# Distribution



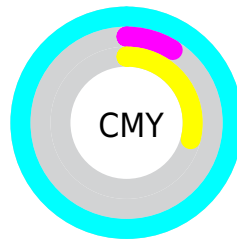
- Red (0%)
- Green (91%)
- Blue (71%)



- Red (0%)
- Yellow (51%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (9%)




- Cyan (100%)
- Magenta (9%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4794, 61.6140, 53.6334 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 37.4794, 61.6140, 53.6334 by changing the saturation by 10% instead.





 37.4794, 61.6140,  
53.6334


 37.4794, 61.6140,  
53.6334


326.7010,  
430.5217, 417.8455


 25.7543, 44.7209,  
37.9175


 70.6185, 107.1675,  
96.9867


 16.7716, 31.2376,  
25.6173


 92.7633, 136.5966,  
125.4612

 10.1661, 20.7799,  
16.3144


 119.1119,  
170.9732, 159.0256

 5.5723, 12.9632,  
9.5901

 150.0298,  
210.6816, 198.0985

 2.6250, 7.4032,  
5.0260

 185.8823,  
256.1063, 243.0984

 0.9587, 3.7155,  
2.2035

227.0348,

 0.0000, 1.5157,

307.6316, 294.4438

0.6764

273.8526,  
365.6419, 352.5534

■ 0.0000, 0.2998,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 37.4794, 61.6140,  
53.6334

■ 37.4794, 61.6140,  
53.6334

■ 37.4798, 61.6158,  
53.6305

■ 38.3856, 62.0199,  
56.5155

■ 39.7440, 62.6550,  
59.5225

■ 41.6940, 63.5928,  
62.6634

■ 44.3159, 64.8745,  
65.9430

■ 47.6774, 66.5352,  
69.3656

■ 51.8378, 68.6052,  
72.9349

■ 56.8502, 71.1121,  
76.6544

■ 62.7631, 74.0807,  
80.5275

■ 69.6214, 77.5342,  
84.5572

# Harmonies

## Analogous

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



41.9376, 61.6140, 30.0292



37.4794, 61.6140, 53.6334



38.0223, 61.6140, 91.8812

# Triad

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



37.4794, 61.6140, 53.6334



66.6780, 61.6140, 159.6980



76.6818, 61.6140, 26.8200

# Complementary

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



37.4794, 61.6140, 53.6334



34.2265, 17.5733, 4.8413

# 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.



85.4199, 61.6140, 47.2104



37.4794, 61.6140, 53.6334



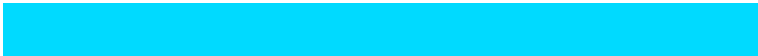
79.0853, 61.6140, 126.3834

# Square

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



37.4794, 61.6140, 53.6334



53.6540, 61.6140, 163.4414



86.3590, 61.6140, 82.6214



63.7611, 61.6140, 18.8028



# Rectangle

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



37.4794, 61.6140, 53.6334



41.1621, 61.6140, 121.3754



86.3590, 61.6140, 82.6214



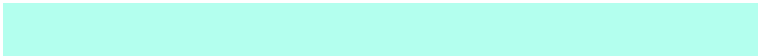
80.2825, 61.6140, 32.0187

# Sweetspot

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



37.4811, 61.6164, 53.6348



69.6565, 87.2128, 93.9930



30.6828, 59.0752, 9.7865



14.3250, 18.3745, 19.6998



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.



37.4811, 61.6164, 53.6348



45.9623, 75.6009, 65.6447



29.2490, 34.9637, 82.3006



15.3654, 17.0610, 18.6070



21.3148, 34.9804, 30.6865



1.7091, 2.7609, 2.5957



# Inverse Universe

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



34.2265, 17.5733, 4.8413



41.9765, 21.5546, 5.8084



35.3370, 20.7871, 2.1509



15.2031, 15.1091, 16.3550



19.4578, 9.9858, 2.9464

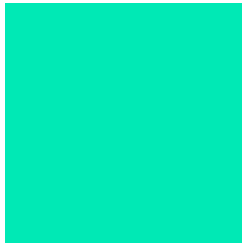


1.5634, 0.7983, 0.4180



# Previews

## White Background



This preview shows how the XYZ color 37.4794, 61.6140, 53.6334 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 37.4794, 61.6140, 53.6334 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

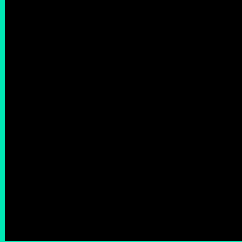
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

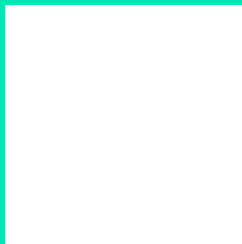
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 37.4794, 61.6140, 53.6334

## Background



This preview shows how black text looks on a background with the XYZ color 37.4794, 61.6140, 53.6334.



This preview shows how white text looks on a background with the XYZ color 37.4794, 61.6140,



# 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

37.4794, 61.6140, 53.6334

### Protanopia

56.7947, 60.5378, 44.7680

### Deuteranopia

61.4647, 60.2646, 56.5368



## Tritanopia

45.7754, 61.6992, 94.2905

# Trichromacy



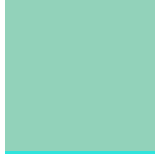
## Original Color

37.4794, 61.6140, 53.6334



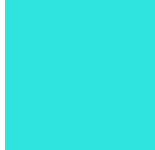
## Protanomaly

41.9677, 56.8595, 47.2911



## Deuteranomaly

43.7636, 55.7493, 54.9085



## Tritanomaly

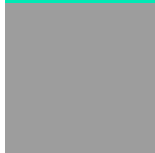
41.7884, 61.2350, 77.3272

# Monochromacy



## Original Color

37.4794, 61.6140, 53.6334



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

29.4874, 40.1604, 42.2740

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4794, 61.6140, 53.6334 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, 233, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 233, 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(0, 233, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 233, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4794, 61.6140, 53.6334 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, 233, 181) }
```



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

```
.border{ border-color:rgb(0, 233, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 233, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 233, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 233, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 233,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4794, 61.6140, 53.6334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 233, 181) }
```

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

```
.background{ background-color: rgb(0, 233,  
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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