

Converting Colors

XYZ(37.1348, 63.3781, 45.9550)

Have a look what the booklet for
XYZ(37.1348, 63.3781, 45.9550)
contains.

XYZ(37.0757, 63.2850, 45.8584)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0757, 63.2850,
45.8584)**

Conversions

Conversions Part 1

Format	Color
Hex	00EDA5
RGB	0, 237, 165
RGB Percent	0%, 93%, 65%
CMY	0.9999, 0.0706, 0.3529
CMYK	1.00, 0.00, 0.30, 0.07
HSL	162°, 100%, 46%
HSV	162°, 100%, 93%
XYZ	37.0757, 63.2850, 45.8584
YIQ	157.9290, -118.1400, -72.6360

Conversions

Conversions Part 2

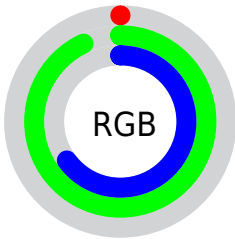
Format	Color
RYB	0, 140, 237
Decimal	60837
CIELab	83.59, -63.94, 21.79
CIELCh	84, 67.557, 161.180
Yxy	63.2850, 0.2536, 0.4328
Android (android.graphics.Color)	4278250917 (0xFF00EDA5)
YUV	157.9290, 3.4860, -138.5037
Hunter-Lab	79.5519, -56.0246, 21.5080

Details

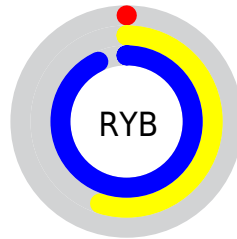
The XYZ color **37.0757, 63.2850, 45.8584** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **36.0973, 18.4740, 7.7991**, and the grayscale version is **32.4947, 34.1869, 37.2296**.

A 20% lighter version of the original color is **55.2338, 80.0668, 80.2535**, and **19.3019, 33.8348, 21.1362** is the 20% darker color. If you saturate the color by 10%, you get **37.0763, 63.2870, 45.8560**, and if you desaturate by 10%, it is **38.1215, 63.7479, 49.4275**.

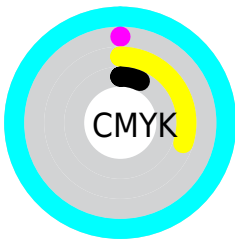
Distribution



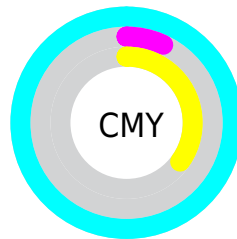
- Red (0%)
- Green (93%)
- Blue (65%)



- Red (0%)
- Yellow (55%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0757, 63.2850, 45.8584 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 37.0757, 63.2850, 45.8584 by changing the saturation by 10% instead.

 37.0757, 63.2850,
45.8584


 37.0757, 63.2850,
45.8584


324.9880,
436.6031, 386.5001


 25.4401, 46.0718,
31.7862


 70.0023, 109.5806,
85.3391


 16.5357, 32.3025,
20.9348


 92.0239, 139.4317,
111.5847

 9.9973, 21.5927,
12.8856


 118.2382,
174.2644, 142.7252

 5.4594, 13.5579,
7.2200

 149.0106,
214.4628, 179.1792

 2.5567, 7.8138,
3.5195

 184.7065,
260.4116, 221.3651

 0.9240, 3.9761,
1.3657

225.6911,

 0.0000, 1.6602,

312.4949, 269.7015

0.1147

272.3298,
371.0973, 324.6070

■ 0.0000, 0.3977,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0757, 63.2850,
45.8584

■ 37.0757, 63.2850,
45.8584

■ 37.0763, 63.2870,
45.8560

■ 38.1215, 63.7479,
49.4275

■ 39.6550, 64.4562,
53.2137

■ 41.8207, 65.4860,
57.2283

■ 44.7027, 66.8807,
61.4780

■ 48.3720, 68.6767,
65.9692

■ 52.8908, 70.9060,
70.7074

■ 58.3148, 73.5974,
75.6981

■ 64.6949, 76.7769,
80.9464

■ 72.0782, 80.4688,
86.4570

Harmonies

Analogous

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



43.3229, 63.2850, 24.0304



37.0757, 63.2850, 45.8584



36.3708, 63.2850, 85.9090

Triad

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



37.0757, 63.2850, 45.8584



65.8262, 63.2850, 183.4515



84.1561, 63.2850, 28.0307

Complementary

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



37.0757, 63.2850, 45.8584



36.0973, 18.4740, 7.7991

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.



92.5325, 63.2850, 54.3100



37.0757, 63.2850, 45.8584



80.8530, 63.2850, 150.0357

Square

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



37.0757, 63.2850, 45.8584



51.4464, 63.2850, 178.1159



91.2334, 63.2850, 98.6151



69.7848, 63.2850, 17.0338

Rectangle

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



37.0757, 63.2850, 45.8584



38.9788, 63.2850, 120.1725



91.2334, 63.2850, 98.6151



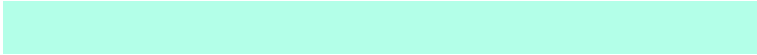
87.8647, 63.2850, 34.7942

Sweetspot

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



37.0774, 63.2875, 45.8599



68.7660, 86.8566, 89.3035



33.1926, 62.0694, 10.2319



14.1110, 18.2890, 18.5732



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.



37.0774, 63.2875, 45.8599



43.7480, 74.7152, 53.9842



34.4805, 44.5020, 86.8962



15.3114, 17.0394, 18.3229



20.3026, 34.5755, 25.3562



1.6367, 2.7320, 2.2144

Inverse Universe

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



36.0973, 18.4740, 7.7991



42.5965, 21.8026, 9.0732



35.8077, 19.7676, 1.9290



15.2539, 15.1294, 16.6221



19.7576, 10.1057, 4.5248



1.5928, 0.8101, 0.5733

Previews

White Background



This preview shows how the XYZ color 37.0757, 63.2850, 45.8584 looks on a white background.

Color Contrast Check

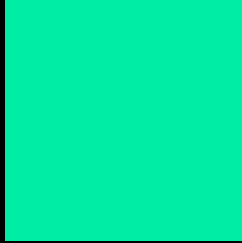
Large Text (above 18pt) WCAG AA × Fail

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 37.0757, 63.2850, 45.8584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

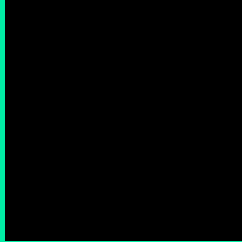
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0757, 63.2850, 45.8584

Background



This preview shows how black text looks on a background with the XYZ color 37.0757, 63.2850, 45.8584.

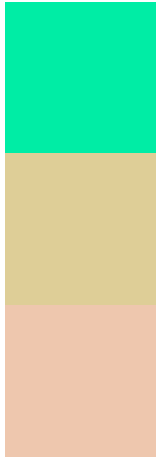


This preview shows how white text looks on a background with the XYZ color 37.0757, 63.2850,

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

37.0757, 63.2850, 45.8584

Protanopia

57.7814, 61.9066, 38.1819

Deuteranopia

63.3233, 62.0800, 48.6895



Tritanopia

47.2588, 63.2362, 96.1012

Trichromacy



Original Color

37.0757, 63.2850, 45.8584



Protanomaly

41.7981, 57.6887, 40.3845



Deuteranomaly

43.9074, 57.1081, 47.2369



Tritanomaly

42.3358, 62.8135, 74.8586

Monochromacy



Original Color

37.0757, 63.2850, 45.8584



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.5702, 40.8806, 40.0504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0757, 63.2850, 45.8584 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, 237, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 165)  
}
```

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, 237, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 165) }
```

Border

The CSS property to change the border of an element to XYZ 37.0757, 63.2850, 45.8584 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, 237, 165) }
```


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

```
.border{ border-color:rgb(0, 237, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 237, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0757, 63.2850, 45.8584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 165) }
```

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

```
.background{ background-color: rgb(0, 237,  
165) }
```

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