

Converting Colors

XYZ(20.4031, 50.4993, 57.3409)

Have a look what the booklet for
XYZ(20.4031, 50.4993, 57.3409)
contains.

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Color

**XYZ(37.0377, 59.2045,
58.1907)**

Conversions

Conversions Part 1

Format	Color
Hex	00E4BE
RGB	0, 228, 190
RGB Percent	0%, 89%, 75%
CMY	0.9998, 0.1059, 0.2549
CMYK	1.00, 0.00, 0.17, 0.11
HSL	170°, 100%, 45%
HSV	170°, 100%, 89%
XYZ	37.0377, 59.2045, 58.1907
YIQ	155.4960, -123.6900, -60.1540

Conversions

Conversions Part 2

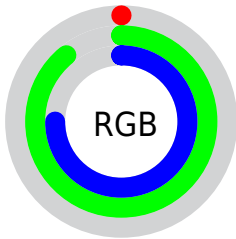
Format	Color
RYB	0, 124, 228
Decimal	58558
CIELab	81.40, -54.64, 5.63
CIELCh	81, 54.927, 174.112
Yxy	59.2045, 0.2398, 0.3834
Android (android.graphics.Color)	4278248638 (0xFF00E4BE)
YUV	155.4960, 17.0105, -136.3700
Hunter-Lab	76.9445, -48.7307, 9.0219

Details

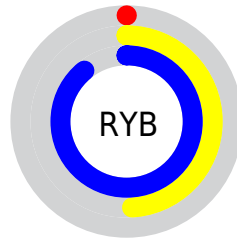
The XYZ color **37.0377, 59.2045, 58.1907** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **32.3471, 16.6357, 3.3437**, and the grayscale version is **31.3483, 32.9808, 35.9161**.

A 20% lighter version of the original color is **58.8250, 81.4888, 99.8173**, and **19.0783, 30.9320, 28.6318** is the 20% darker color. If you saturate the color by 10%, you get **37.0380, 59.2062, 58.1879**, and if you desaturate by 10%, it is **37.8096, 59.5552, 60.4254**.

Distribution



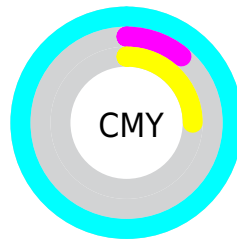
- Red (0%)
- Green (89%)
- Blue (75%)



- Red (0%)
- Yellow (49%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0377, 59.2045, 58.1907 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 37.0377, 59.2045, 58.1907 by changing the saturation by 10% instead.


 37.0377, 59.2045,
58.1907


 37.0377, 59.2045,
58.1907


324.8264,
421.6593, 435.5142


 25.4105, 42.7778,
41.5463


 69.9442, 103.6748,
103.7180


 16.5135, 29.7108,
28.4233


 91.9542, 132.4872,
133.4380


 9.9814, 19.6192,
18.4031

 118.1559,
166.1969, 168.3536

 5.4488, 12.1185,
11.0674

 148.9146,
205.1884, 208.8833

 2.5504, 6.8244,
5.9974

 184.5956,
249.8459, 255.4457

 0.9207, 3.3526,
2.7748

225.5644,

 0.0000, 1.3184,

300.5540, 308.4592

0.9808

272.1862,
357.6970, 368.3426

■ 0.0000, 0.1554,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.0377, 59.2045,
58.1907

■ 37.0377, 59.2045,
58.1907

■ 37.0380, 59.2062,
58.1879

■ 37.8096, 59.5552,
60.4254

■ 39.0025, 60.1203,
62.7354

■ 40.7497, 60.9698,
65.1288

■ 43.1272, 62.1430,
67.6094

■ 46.1991, 63.6729,
70.1808

■ 50.0214, 65.5884,
72.8460

■ 54.6444, 67.9153,
75.6076

■ 60.1139, 70.6773,
78.4682

■ 66.4724, 73.8962,
81.4303

Harmonies

Analogous

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



40.2083, 59.2045, 34.0399



37.0377, 59.2045, 58.1907



38.4247, 59.2045, 93.9107

Triad

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



37.0377, 59.2045, 58.1907



65.7857, 59.2045, 141.1474



70.2371, 59.2045, 25.5981

Complementary

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



37.0377, 59.2045, 58.1907



32.3471, 16.6357, 3.3437

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.



78.9340, 59.2045, 41.9221



37.0377, 59.2045, 58.1907



76.1290, 59.2045, 109.1052

Square

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



37.0377, 59.2045, 58.1907



54.0369, 59.2045, 150.0728



81.2246, 59.2045, 71.1719



58.5681, 59.2045, 19.7952

Rectangle

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



37.0377, 59.2045, 58.1907



41.8578, 59.2045, 119.2760



81.2246, 59.2045, 71.1719



73.6654, 59.2045, 29.6985

Sweetspot

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



37.0394, 59.2068, 58.1921



70.2992, 87.4699, 97.3774



28.6928, 55.9776, 9.2938



14.4801, 18.4366, 20.5165



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.



37.0394, 59.2068, 58.1921



47.7057, 76.2983, 74.8250



25.8623, 29.3172, 77.6970



14.6988, 16.2930, 17.9449



21.4244, 34.2019, 33.7989



1.6107, 2.5384, 2.6426

Inverse Universe

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



32.3471, 16.6357, 3.3437



41.6671, 21.4308, 4.1791



34.3286, 21.1593, 2.2761



14.4745, 14.4070, 15.4332



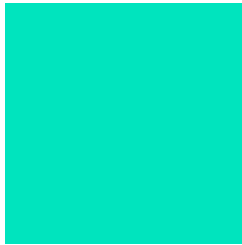
18.7063, 9.6167, 2.0823



1.4118, 0.7224, 0.3092

Previews

White Background



This preview shows how the XYZ color 37.0377, 59.2045, 58.1907 looks on a white background.

Color Contrast Check

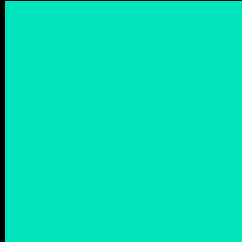
Large Text (above 18pt) WCAG AA × Fail

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 37.0377, 59.2045, 58.1907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

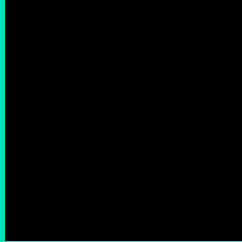
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

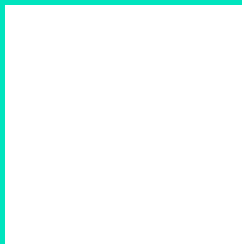
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0377, 59.2045, 58.1907

Background



This preview shows how black text looks on a background with the XYZ color 37.0377, 59.2045, 58.1907.

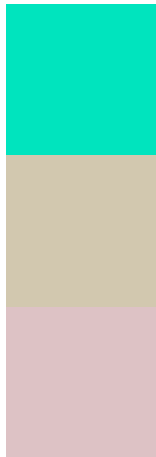


This preview shows how white text looks on a background with the XYZ color 37.0377, 59.2045,

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

37.0377, 59.2045, 58.1907

Protanopia

54.9705, 58.1053, 48.8756

Deuteranopia

59.1886, 57.9869, 60.8963



Tritanopia

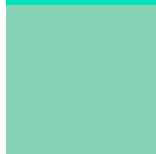
43.6832, 59.1031, 90.7671

Trichromacy



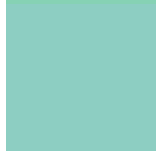
Original Color

37.0377, 59.2045, 58.1907



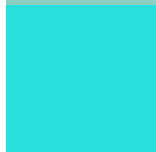
Protanomaly

41.1163, 54.4568, 51.5242



Deuteranomaly

42.7934, 53.7004, 59.1487



Tritanomaly

40.6616, 59.0240, 77.6563

Monochromacy



Original Color

37.0377, 59.2045, 58.1907



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.9414, 38.9357, 43.0358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0377, 59.2045, 58.1907 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, 228, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 190)  
}
```

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, 228, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 190) }
```

Border

The CSS property to change the border of an element to XYZ 37.0377, 59.2045, 58.1907 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, 228, 190) }
```


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

```
.border{ border-color:rgb(0, 228, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0377, 59.2045, 58.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 190) }
```

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

```
.background{ background-color: rgb(0, 228,  
190) }
```

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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