

Converting Colors

XYZ(37.5878, 60.0877, 59.0435)

Have a look what the booklet for
XYZ(37.5878, 60.0877, 59.0435)
contains.

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Color

**XYZ(37.7008, 60.3552,
58.9529)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6BF
RGB	0, 230, 191
RGB Percent	0%, 90%, 75%
CMY	0.9998, 0.0980, 0.2510
CMYK	1.00, 0.00, 0.17, 0.10
HSL	170°, 100%, 45%
HSV	170°, 100%, 90%
XYZ	37.7008, 60.3552, 58.9529
YIQ	156.7840, -124.5610, -60.8890

Conversions

Conversions Part 2

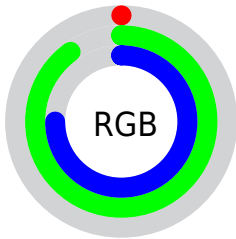
Format	Color
RYB	0, 126, 230
Decimal	59071
CIELab	82.03, -55.17, 6.01
CIELCh	82, 55.500, 173.784
Yxy	60.3552, 0.2401, 0.3844
Android (android.graphics.Color)	4278249151 (0xFF00E6BF)
YUV	156.7840, 16.8685, -137.4996
Hunter-Lab	77.6886, -49.3324, 9.3907

Details

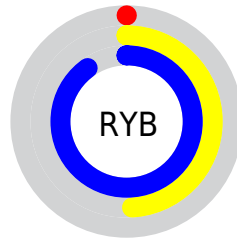
The XYZ color **37.7008, 60.3552, 58.9529** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **33.0016, 16.9713, 3.4597**, and the grayscale version is **31.9238, 33.5864, 36.5756**.

A 20% lighter version of the original color is **58.9789, 81.5504, 100.6280**, and **19.5310, 31.7221, 29.1383** is the 20% darker color. If you saturate the color by 10%, you get **37.7012, 60.3569, 58.9501**, and if you desaturate by 10%, it is **38.4914, 60.7140, 61.2624**.

Distribution



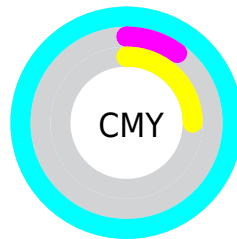
- Red (0%)
- Green (90%)
- Blue (75%)



- Red (0%)
- Yellow (49%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7008, 60.3552, 58.9529 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 37.7008, 60.3552, 58.9529 by changing the saturation by 10% instead.


 37.7008, 60.3552,
58.9529

 37.7008, 60.3552,
58.9529


327.6378,
425.9058, 438.4244


 25.9267, 43.7050,
42.1554


 70.9562, 105.3448,
104.8377


 16.9012, 30.4387,
28.8965

 93.1682, 134.4529,
134.7620


 10.2590, 20.1718,
18.7577


 119.5902,
168.4825, 169.8991

 5.6346, 12.5200,
11.3203

 150.5875,
207.8179, 210.6675

 2.6627, 7.0988,
6.1658

 186.5256,
252.8436, 257.4857

 0.9780, 3.5240,
2.8757

227.7698,

 0.0000, 1.4110,

303.9438, 310.7722

1.0315

274.6854,
361.5031, 370.9456

■ 0.0000, 0.2248,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7008, 60.3552,
58.9529

■ 37.7008, 60.3552,
58.9529

■ 37.7012, 60.3569,
58.9501

■ 38.4914, 60.7140,
61.2624

■ 39.7125, 61.2918,
63.6508

■ 41.4994, 62.1601,
66.1263

■ 43.9301, 63.3589,
68.6930

■ 47.0699, 64.9218,
71.3543

■ 50.9760, 66.8785,
74.1134

■ 55.7000, 69.2554,
76.9731

■ 61.2886, 72.0766,
79.9361

■ 67.7852, 75.3645,
83.0047

Harmonies

Analogous

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



40.9931, 60.3552, 34.4083



37.7008, 60.3552, 58.9529



39.0676, 60.3552, 95.4340

Triad

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



37.7008, 60.3552, 58.9529



66.9732, 60.3552, 144.5392



71.7846, 60.3552, 26.1019

Complementary

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



37.7008, 60.3552, 58.9529



33.0016, 16.9713, 3.4597

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.



80.6363, 60.3552, 42.9137



37.7008, 60.3552, 58.9529



77.6037, 60.3552, 111.8663

Square

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



37.7008, 60.3552, 58.9529



54.9528, 60.3552, 153.3675



82.8992, 60.3552, 72.9787



59.8485, 60.3552, 20.0822

Rectangle

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



37.7008, 60.3552, 58.9529



42.5450, 60.3552, 121.4592



82.8992, 60.3552, 72.9787



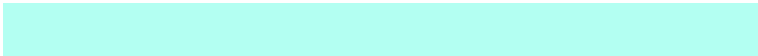
75.2817, 60.3552, 30.3292

Sweetspot

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



37.7025, 60.3575, 58.9543



70.2659, 87.4566, 97.2019



29.2611, 57.0922, 9.4789



14.4720, 18.4333, 20.4741



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.



37.7025, 60.3575, 58.9543



47.6124, 76.2609, 74.3337



26.3718, 29.8894, 79.2448



14.6970, 16.2922, 17.9350



21.3833, 34.1854, 33.5824



1.6080, 2.5373, 2.6285

Inverse Universe

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



33.0016, 16.9713, 3.4597



41.6806, 21.4362, 4.2502



35.0081, 21.5708, 2.3197



14.4762, 14.4077, 15.4423



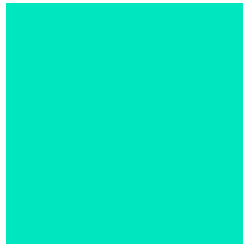
18.7129, 9.6194, 2.1172



1.4126, 0.7228, 0.3134

Previews

White Background



This preview shows how the XYZ color 37.7008, 60.3552, 58.9529 looks on a white background.

Color Contrast Check

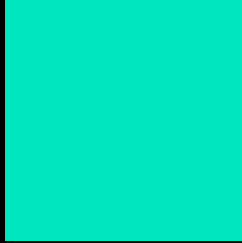
Large Text (above 18pt) WCAG AA × Fail

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 37.7008, 60.3552, 58.9529 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

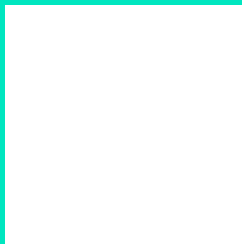
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7008, 60.3552, 58.9529

Background



This preview shows how black text looks on a background with the XYZ color 37.7008, 60.3552, 58.9529.

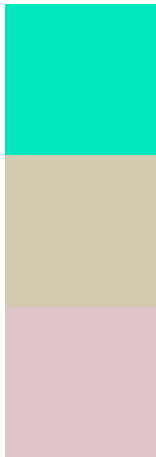


This preview shows how white text looks on a background with the XYZ color 37.7008, 60.3552,

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

37.7008, 60.3552, 58.9529

Protanopia

56.1084, 59.3727, 49.5771

Deuteranopia

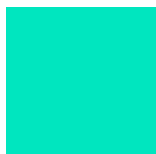
60.4802, 59.2914, 62.2896



Tritanopia

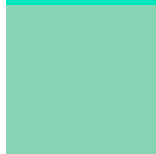
44.5116, 60.2845, 92.5091

Trichromacy



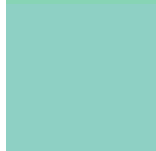
Original Color

37.7008, 60.3552, 58.9529



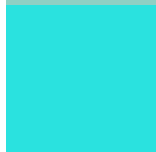
Protanomaly

41.8756, 55.5741, 52.2358



Deuteranomaly

43.6750, 54.8481, 60.5094



Tritanomaly

41.4705, 60.2127, 79.2485

Monochromacy



Original Color

37.7008, 60.3552, 58.9529



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.5575, 39.8549, 43.6710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7008, 60.3552, 58.9529 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, 230, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 191)  
}
```

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, 230, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 191) }
```

Border

The CSS property to change the border of an element to XYZ 37.7008, 60.3552, 58.9529 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, 230, 191) }
```


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

```
.border{ border-color:rgb(0, 230, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7008, 60.3552, 58.9529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 191) }
```

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

```
.background{ background-color: rgb(0, 230,  
191) }
```

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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