

Converting Colors

XYZ(28.0201, 53.1706, 56.3949)

Have a look what the booklet for
XYZ(28.0201, 53.1706, 56.3949)
contains.

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Color

**XYZ(36.0023, 57.4813,
56.7744)**

Conversions

Conversions Part 1

Format	Color
Hex	00E1BC
RGB	0, 225, 188
RGB Percent	0%, 88%, 74%
CMY	0.9999, 0.1176, 0.2627
CMYK	1.00, 0.00, 0.16, 0.12
HSL	170°, 100%, 44%
HSV	170°, 100%, 88%
XYZ	36.0023, 57.4813, 56.7744
YIQ	153.5070, -122.2230, -59.2070

Conversions

Conversions Part 2

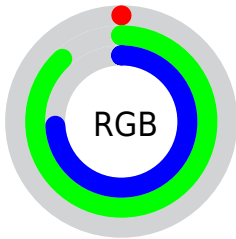
Format	Color
RYB	0, 123, 225
Decimal	57788
CIELab	80.45, -53.96, 5.32
CIELCh	80, 54.221, 174.373
Yxy	57.4813, 0.2396, 0.3826
Android (android.graphics.Color)	4278247868 (0xFF00E1BC)
YUV	153.5070, 17.0050, -134.6256
Hunter-Lab	75.8164, -47.9160, 8.6727

Details

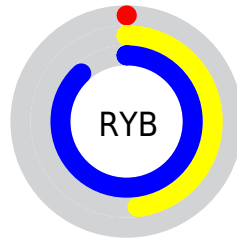
The XYZ color **36.0023, 57.4813, 56.7744** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **31.3874, 16.1427, 3.2149**, and the grayscale version is **30.4710, 32.0578, 34.9110**.

A 20% lighter version of the original color is **58.3958, 81.3029, 98.2032**, and **18.5611, 30.1252, 27.7581** is the 20% darker color. If you saturate the color by 10%, you get **36.0028, 57.4830, 56.7724**, and if you desaturate by 10%, it is **36.7505, 57.8217, 58.9203**.

Distribution



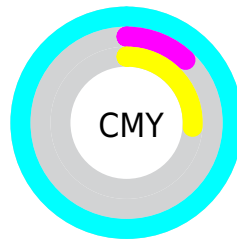
- Red (0%)
- Green (88%)
- Blue (74%)



- Red (0%)
- Yellow (48%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0023, 57.4813, 56.7744 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 36.0023, 57.4813, 56.7744 by changing the saturation by 10% instead.


 36.0023, 57.4813,
56.7744


 36.0023, 57.4813,
56.7744


320.4017,
415.2504, 430.0735


 24.6061, 41.3918,
40.4160


 68.3595, 101.1671,
101.6330


 15.9110, 28.6253,
27.5468


 90.0511, 129.5322,
130.9703


 9.5516, 18.7976,
17.7482


 115.9053,
162.7580, 165.4709

 5.1627, 11.5241,
10.6018

 146.2874,
201.2288, 205.5534

 2.3788, 6.4205,
5.6890

 181.5627,
245.3290, 251.6364

 0.8345, 3.1024,
2.5912

222.0966,

 0.0000, 1.1854,

295.4431, 304.1384

0.8879

268.2545,
351.9554, 363.4779

■ 0.0000, 0.0498,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0023, 57.4813,
56.7744

■ 36.0023, 57.4813,
56.7744

■ 36.0028, 57.4830,
56.7724

■ 36.7505, 57.8217,
58.9203

■ 37.9060, 58.3695,
61.1377

■ 39.5988, 59.1931,
63.4345

■ 41.9025, 60.3304,
65.8145

■ 44.8790, 61.8133,
68.2809

■ 48.5825, 63.6698,
70.8366

■ 53.0618, 65.9250,
73.4843

■ 58.3612, 68.6017,
76.2265

■ 64.5217, 71.7212,
79.0654

Harmonies

Analogous

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



39.0356, 57.4813, 33.2701



36.0023, 57.4813, 56.7744



37.3843, 57.4813, 91.4039

Triad

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



36.0023, 57.4813, 56.7744



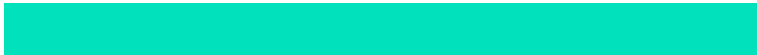
63.9392, 57.4813, 136.5543



68.0563, 57.4813, 24.8484

Complementary

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



36.0023, 57.4813, 56.7744



31.3874, 16.1427, 3.2149

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.



76.5106, 57.4813, 40.5698



36.0023, 57.4813, 56.7744



73.9169, 57.4813, 105.4512

Square

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



36.0023, 57.4813, 56.7744



52.5649, 57.4813, 145.4218



78.7886, 57.4813, 68.7842



56.7572, 57.4813, 19.2925

Rectangle

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



36.0023, 57.4813, 56.7744



40.7344, 57.4813, 115.9055



78.7886, 57.4813, 68.7842



71.3831, 57.4813, 28.7941

Sweetspot

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



36.0039, 57.4835, 56.7758



70.3249, 87.4802, 97.5125



27.7085, 54.2556, 9.0130



14.4863, 18.4390, 20.5492



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.



36.0039, 57.4835, 56.7758



47.7777, 76.3271, 75.2042



24.5002, 27.2539, 75.2060



14.0147, 15.5316, 17.1125



20.7828, 33.1380, 32.9090



1.4667, 2.3074, 2.4187

Inverse Universe

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



31.3874, 16.1427, 3.2149



41.6569, 21.4267, 4.1252



33.5704, 21.0438, 2.2935



13.7987, 13.7371, 14.7103



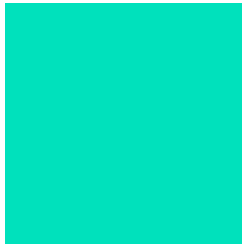
18.1142, 9.3127, 2.0013



1.2839, 0.6568, 0.2879

Previews

White Background



This preview shows how the XYZ color 36.0023, 57.4813, 56.7744 looks on a white background.

Color Contrast Check

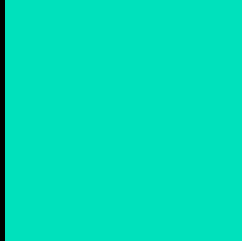
Large Text (above 18pt) WCAG AA × Fail

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 36.0023, 57.4813, 56.7744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

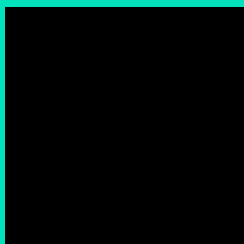
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

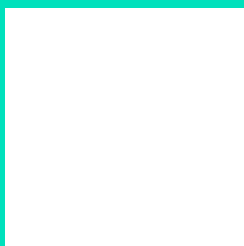
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0023, 57.4813, 56.7744

Background



This preview shows how black text looks on a background with the XYZ color 36.0023, 57.4813, 56.7744.

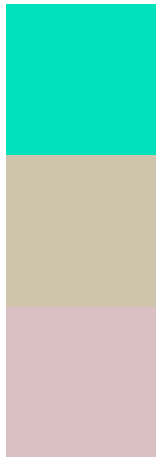


This preview shows how white text looks on a background with the XYZ color 36.0023, 57.4813,

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

36.0023, 57.4813, 56.7744

Protanopia

53.2412, 56.2150, 47.5796

Deuteranopia

57.3946, 56.1072, 59.4345



Tritanopia

42.3261, 57.2889, 88.1839

Trichromacy



Original Color

36.0023, 57.4813, 56.7744



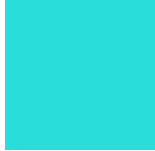
Protanomaly

39.8644, 52.7455, 50.1993



Deuteranomaly

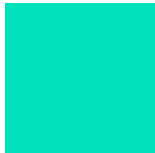
41.5178, 52.0066, 57.7192



Tritanomaly

39.5571, 57.2988, 75.9927

Monochromacy



Original Color

36.0023, 57.4813, 56.7744



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.2412, 37.9924, 41.9212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0023, 57.4813, 56.7744 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, 225, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 188)  
}
```

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, 225, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 188) }
```

Border

The CSS property to change the border of an element to XYZ 36.0023, 57.4813, 56.7744 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, 225, 188) }
```


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

```
.border{ border-color:rgb(0, 225, 188) }
```

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

Here you see how a box with a 4 pixel rgb(0, 225, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0023, 57.4813, 56.7744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 188) }
```

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

```
.background{ background-color: rgb(0, 225,  
188) }
```

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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