

Converting Colors

XYZ(25.9876, 52.1279, 65.7683)

Have a look what the booklet for
XYZ(25.9876, 52.1279, 65.7683)
contains.

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Color

**XYZ(37.8243, 58.2101,
66.3689)**

Conversions

Conversions Part 1

Format	Color
Hex	00E1CC
RGB	0, 225, 204
RGB Percent	0%, 88%, 80%
CMY	0.9998, 0.1176, 0.2000
CMYK	1.00, 0.00, 0.09, 0.12
HSL	174°, 100%, 44%
HSV	174°, 100%, 88%
XYZ	37.8243, 58.2101, 66.3689
YIQ	155.3310, -127.3590, -54.2310

Conversions

Conversions Part 2

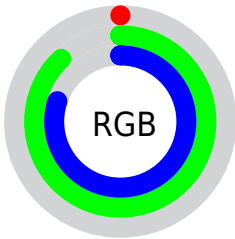
Format	Color
RYB	0, 118, 225
Decimal	57804
CIELab	80.86, -49.71, -2.58
CIELCh	81, 49.774, 182.976
Yxy	58.2101, 0.2329, 0.3584
Android (android.graphics.Color)	4278247884 (0xFF00E1CC)
YUV	155.3310, 23.9938, -136.2253
Hunter-Lab	76.2955, -45.0240, 1.8310

Details

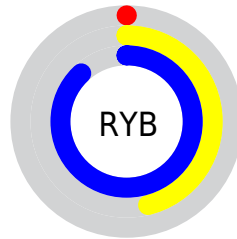
The XYZ color **37.8243, 58.2101, 66.3689** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **31.1887, 16.0634, 2.1684**, and the grayscale version is **31.2462, 32.8735, 35.7992**.

A 20% lighter version of the original color is **60.2404, 82.0550, 107.2709**, and **19.6930, 30.5779, 33.7184** is the 20% darker color. If you saturate the color by 10%, you get **37.8250, 58.2118, 66.3677**, and if you desaturate by 10%, it is **38.4222, 58.4903, 67.7224**.

Distribution



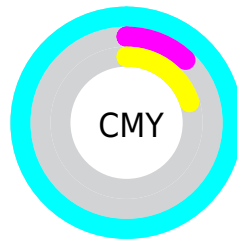
- Red (0%)
- Green (88%)
- Blue (80%)



- Red (0%)
- Yellow (46%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8243, 58.2101, 66.3689 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 37.8243, 58.2101, 66.3689 by changing the saturation by 10% instead.


 37.8243, 58.2101,
66.3689


 37.8243, 58.2101,
66.3689


328.1596,
417.9684, 466.1352

 26.0229, 41.9776,
48.1136


 71.1444, 102.2288,
115.6477

 16.9736, 29.0837,
33.5562


 93.3938, 130.7837,
147.5082

 10.3108, 19.1442,
22.2783


 119.8567,
164.2148, 184.7409

 5.6694, 11.7745,
13.8612

 150.8983,
202.9067, 227.7642

 2.6838, 6.5903,
7.8866

 186.8841,
247.2435, 276.9968

 0.9889, 3.2072,
3.9357

228.1793,

 0.0000, 1.2409,

297.6098, 332.8571

1.5901

275.1493,
354.3900, 395.7637

■ 0.0000, 0.0947,
0.2838

■ 0.0000, 0.0000,
0.0000

■ 37.8243, 58.2101,
66.3689

■ 37.8243, 58.2101,
66.3689

■ 37.8250, 58.2118,
66.3677

■ 38.4222, 58.4903,
67.7224

■ 39.4204, 58.9753,
69.1112

■ 40.9491, 59.7332,
70.5426

■ 43.0817, 60.8021,
72.0203

■ 45.8800, 62.2138,
73.5471

■ 49.3983, 63.9962,
75.1257

■ 53.6851, 66.1745,
76.7584

■ 58.7847, 68.7713,
78.4474

■ 64.7383, 71.8080,
80.1946

Harmonies

Analogous

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



39.5046, 58.2101, 40.9601



37.8243, 58.2101, 66.3689



40.3311, 58.2101, 99.5026

Triad

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



37.8243, 58.2101, 66.3689



66.8118, 58.2101, 123.8035



64.8142, 58.2101, 25.1133

Complementary

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



37.8243, 58.2101, 66.3689



31.1887, 16.0634, 2.1684

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.



73.6436, 58.2101, 37.2677



37.8243, 58.2101, 66.3689



74.8937, 58.2101, 92.7764

Square

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



37.8243, 58.2101, 66.3689



56.3607, 58.2101, 138.4967



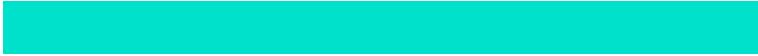
77.5355, 58.2101, 60.4840



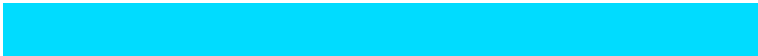
54.3060, 58.2101, 21.9586

Rectangle

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



37.8243, 58.2101, 66.3689



44.2460, 58.2101, 120.2498



77.5355, 58.2101, 60.4840



68.1188, 58.2101, 28.0467

Sweetspot

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



37.8260, 58.2123, 66.3703



71.1563, 87.8127, 101.8908



27.2693, 54.0292, 8.9927



14.6877, 18.5196, 21.6100



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.



37.8260, 58.2123, 66.3703



50.2112, 77.3005, 88.0189



22.2583, 22.7701, 74.4586



14.0585, 15.5491, 17.3433



21.8191, 33.5525, 38.3660



1.5287, 2.3322, 2.7453

Inverse Universe

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



31.1887, 16.0634, 2.1684



41.4029, 21.3251, 2.7876



34.7112, 23.3252, 2.6740



13.7589, 13.7212, 14.5008



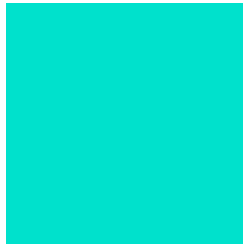
17.9899, 9.2630, 1.3468



1.2650, 0.6493, 0.1885

Previews

White Background



This preview shows how the XYZ color 37.8243, 58.2101, 66.3689 looks on a white background.

Color Contrast Check

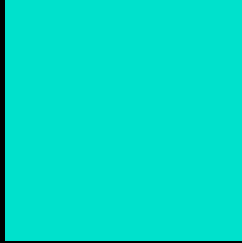
Large Text (above 18pt) WCAG AA × Fail

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 37.8243, 58.2101, 66.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

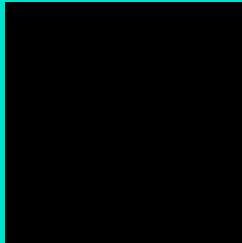
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

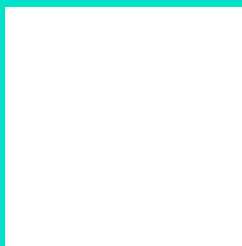
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8243, 58.2101, 66.3689

Background



This preview shows how black text looks on a background with the XYZ color 37.8243, 58.2101, 66.3689.

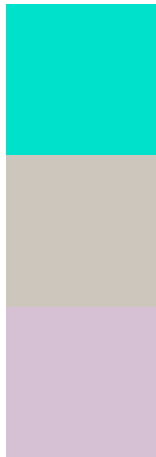


This preview shows how white text looks on a background with the XYZ color 37.8243, 58.2101,

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

37.8243, 58.2101, 66.3689

Protanopia

54.5562, 57.0414, 56.2788

Deuteranopia

58.2684, 56.9892, 69.5570



Tritanopia

42.6567, 58.2002, 89.8744

Trichromacy



Original Color

37.8243, 58.2101, 66.3689



Protanomaly

41.4994, 53.7526, 59.2270



Deuteranomaly

43.3698, 53.4509, 67.7057



Tritanomaly

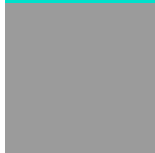
40.5763, 58.1086, 81.0290

Monochromacy



Original Color

37.8243, 58.2101, 66.3689



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.0097, 38.3123, 45.4012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8243, 58.2101, 66.3689 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 204) }
```

Border

The CSS property to change the border of an element to XYZ 37.8243, 58.2101, 66.3689 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, 204) }
```


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

```
.border{ border-color:rgb(0, 225, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8243, 58.2101, 66.3689 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, 204) }
```

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

```
.background{ background-color: rgb(0, 225,  
204) }
```

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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