

Converting Colors

XYZ(37.9925, 53.8118, 81.0212)

Have a look what the booklet for
XYZ(37.9925, 53.8118, 81.0212)
contains.

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Color

**XYZ(37.9117, 53.6392,
81.0283)**

Conversions

Conversions Part 1

Format	Color
Hex	00D6E3
RGB	0, 214, 227
RGB Percent	0%, 84%, 89%
CMY	0.9998, 0.1608, 0.1098
CMYK	1.00, 0.06, 0.00, 0.11
HSL	183°, 100%, 45%
HSV	183°, 100%, 89%
XYZ	37.9117, 53.6392, 81.0283
YIQ	151.4960, -131.7170, -41.3250

Conversions

Conversions Part 2

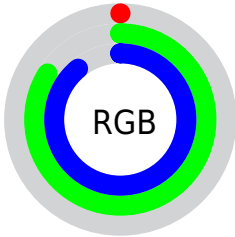
Format	Color
RYB	0, 110, 227
Decimal	55011
CIELab	78.25, -38.20, -18.74
CIELCh	78, 42.546, 206.132
Yxy	53.6392, 0.2197, 0.3108
Android (android.graphics.Color)	4278245091 (0xFF00D6E3)
YUV	151.4960, 37.2235, -132.8620
Hunter-Lab	73.2388, -35.7682, -14.3288

Details

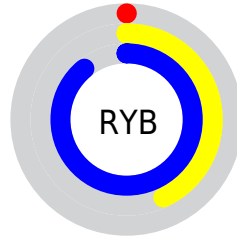
The XYZ color **37.9117, 53.6392, 81.0283** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.8240, 16.6205, 1.5324**, and the grayscale version is **29.5218, 31.0593, 33.8235**.

A 20% lighter version of the original color is **60.3655, 82.1195, 107.2768**, and **19.8445, 27.7748, 43.3449** is the 20% darker color. If you saturate the color by 10%, you get **37.9118, 53.6391, 81.0293**, and if you desaturate by 10%, it is **38.5909, 54.4809, 81.1560**.

Distribution



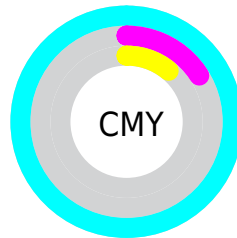
- Red (0%)
- Green (84%)
- Blue (89%)



- Red (0%)
- Yellow (43%)
- Blue (89%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9117, 53.6392, 81.0283 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 37.9117, 53.6392, 81.0283 by changing the saturation by 10% instead.

37.9117, 53.6392,
81.0283

37.9117, 53.6392,
81.0283

328.5284,
400.7327, 518.1894

26.0911, 38.3133,
60.0338

71.2775, 95.5443,
136.6349

17.0248, 26.2259,
43.0204

93.5535, 122.8922,
172.0841

10.3476, 16.9927,
29.5696

120.0452,
155.0163, 213.1886

5.6941, 10.2293,
19.2628

151.1181,
192.3010, 260.3669

2.6988, 5.5513,
11.6816

187.1375,
235.1305, 314.0376

0.9966, 2.5742,
6.4074

228.4688,

0.0000, 0.9137,

283.8894, 374.6193

3.0216

275.4773,
338.9620, 442.5303

■ 0.0000, 0.0000,
1.1057

■ 0.0000, 0.0000,
0.0000

■ 37.9117, 53.6392,
81.0283

■ 37.9117, 53.6392,
81.0283

■ 37.9118, 53.6391,
81.0293

■ 38.5909, 54.4809,
81.1560

■ 39.6785, 55.5359,
81.3023

■ 41.3067, 56.8736,
81.4747

■ 43.5505, 58.5325,
81.6766

■ 46.4732, 60.5453,
81.9111

■ 50.1301, 62.9406,
82.1807

■ 54.5708, 65.7440,
82.4877

■ 59.8408, 68.9787,
82.8343

■ 65.9819, 72.6665,
83.2225

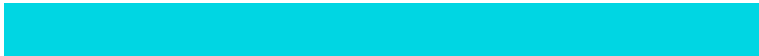
Harmonies

Analogous

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



36.6128, 53.6392, 55.3639



37.9117, 53.6392, 81.0283



42.5669, 53.6392, 105.3748

Triad

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



37.9117, 53.6392, 81.0283



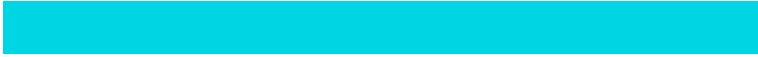
65.4725, 53.6392, 87.8799



52.0706, 53.6392, 23.5496

Complementary

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



37.9117, 53.6392, 81.0283



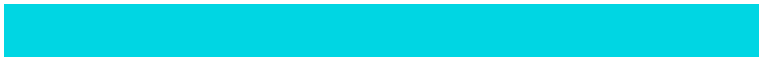
31.8240, 16.6205, 1.5324

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.



60.4399, 53.6392, 27.9944



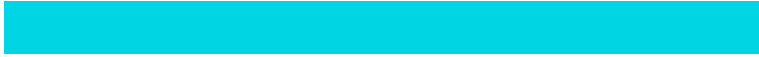
37.9117, 53.6392, 81.0283



68.6918, 53.6392, 61.5533

Square

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



37.9117, 53.6392, 81.0283



58.3678, 53.6392, 110.0277



66.7574, 53.6392, 40.4395



44.2479, 53.6392, 26.1416

Rectangle

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



37.9117, 53.6392, 81.0283



47.2388, 53.6392, 115.2204



66.7574, 53.6392, 40.4395



54.9188, 53.6392, 24.2288

Sweetspot

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



37.9134, 53.6412, 81.0296



70.9031, 85.5004, 107.3740



27.5330, 54.9644, 9.4871



14.6257, 17.9559, 22.9449



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.



37.9134, 53.6412, 81.0296



49.3264, 69.7728, 105.4755



18.6354, 15.0852, 74.6036



14.7330, 16.1875, 18.4923



22.1399, 31.3418, 47.2659



1.6577, 2.3594, 3.5000

Inverse Universe

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



43.8176, 21.1876, 65.4005



57.0269, 27.5748, 85.0626



38.9974, 30.9673, 3.9236



14.9576, 14.6002, 17.9771



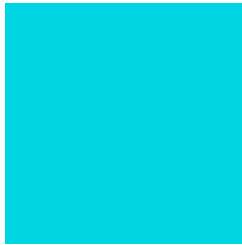
25.5687, 12.3617, 38.2193



1.9004, 0.9179, 2.8819

Previews

White Background



This preview shows how the XYZ color 37.9117, 53.6392, 81.0283 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 37.9117, 53.6392, 81.0283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

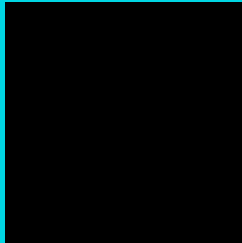
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

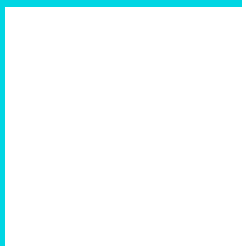
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9117, 53.6392, 81.0283

Background



This preview shows how black text looks on a background with the XYZ color 37.9117, 53.6392, 81.0283.

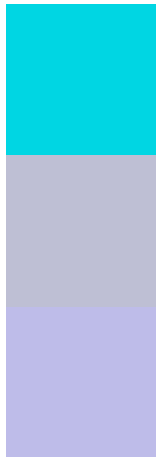


This preview shows how white text looks on a background with the XYZ color 37.9117, 53.6392,

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

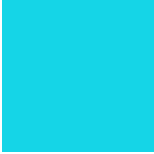
37.9117, 53.6392, 81.0283

Protanopia

51.7497, 52.9622, 69.7826

Deuteranopia

53.9264, 52.7968, 84.4394



Tritanopia

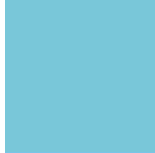
38.5273, 53.5175, 83.9006

Trichromacy



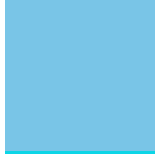
Original Color

37.9117, 53.6392, 81.0283



Protanomaly

40.8330, 49.9215, 73.1293



Deuteranomaly

42.2752, 49.7670, 82.9792



Tritanomaly

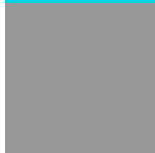
38.2432, 53.3872, 83.1521

Monochromacy



Original Color

37.9117, 53.6392, 81.0283



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.3964, 36.4560, 48.1879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9117, 53.6392, 81.0283 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, 214, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 227)  
}
```

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, 214, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 227) }
```

Border

The CSS property to change the border of an element to XYZ 37.9117, 53.6392, 81.0283 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, 214, 227) }
```


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

```
.border{ border-color:rgb(0, 214, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 214,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9117, 53.6392, 81.0283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 227) }
```

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

```
.background{ background-color: rgb(0, 214,  
227) }
```

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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