

Converting Colors

XYZ(37.5142, 50.3356, 88.6297)

Have a look what the booklet for
XYZ(37.5142, 50.3356, 88.6297)
contains.

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Color

**XYZ(37.5039, 50.3157,
88.6241)**

Conversions

Conversions Part 1

Format	Color
Hex	00CEEE
RGB	0, 206, 238
RGB Percent	0%, 81%, 93%
CMY	0.9998, 0.1921, 0.0667
CMYK	1.00, 0.13, 0.00, 0.07
HSL	188°, 100%, 47%
HSV	188°, 100%, 93%
XYZ	37.5039, 50.3157, 88.6241
YIQ	148.0540, -133.0480, -33.7200

Conversions

Conversions Part 2

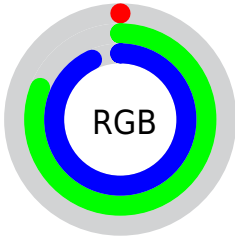
Format	Color
RYB	0, 110, 238
Decimal	52974
CIELab	76.26, -30.95, -27.66
CIELCh	76, 41.511, 221.788
Yxy	50.3157, 0.2126, 0.2852
Android (android.graphics.Color)	4278243054 (0xFF00CEEE)
YUV	148.0540, 44.3434, -129.8434
Hunter-Lab	70.9336, -29.7574, -24.4232

Details

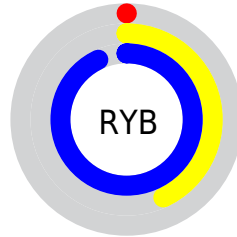
The XYZ color **37.5039, 50.3157, 88.6241** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **35.7788, 19.2137, 1.8246**, and the grayscale version is **28.0398, 29.5000, 32.1255**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.5101, 25.5106, 48.1517** is the 20% darker color. If you saturate the color by 10%, you get **37.5028, 50.3131, 88.6246**, and if you desaturate by 10%, it is **38.6566, 52.0665, 88.9023**.

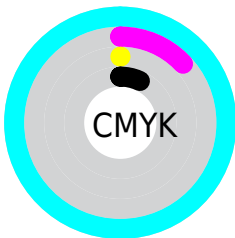
Distribution



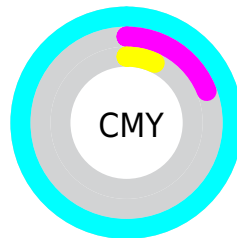
- Red (0%)
- Green (81%)
- Blue (93%)



- Red (0%)
- Yellow (43%)
- Blue (93%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5039, 50.3157, 88.6241 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 37.5039, 50.3157, 88.6241 by changing the saturation by 10% instead.


 37.5039, 50.3157,
88.6241


 37.5039, 50.3157,
88.6241


326.8048,
387.8992, 543.9990

 25.7733, 35.6643,
66.2728


 70.6559, 90.6425,
147.3445


 16.7859, 24.1750,
48.0360


 92.8081, 117.0866,
184.5506


 10.1763, 15.4635,
33.4952

 119.1648,
148.2305, 227.5455

 5.5792, 9.1453,
22.2319

 150.0915,
184.4584, 276.7476

 2.6291, 4.8361,
13.8274

 185.9535,
226.1549, 332.5754

 0.9608, 2.1514,
7.8634

227.1162,

 0.0000, 0.6933,

273.7043, 395.4476

3.9211

273.9448,
327.4909, 465.7826

■ 0.0000, 0.0000,
1.5822

■ 0.0000, 0.0000,
0.2780

■ 37.5039, 50.3157,
88.6241

■ 37.5039, 50.3157,
88.6241

■ 37.5028, 50.3131,
88.6246

■ 38.6566, 52.0665,
88.9023

■ 40.2805, 54.0826,
89.2058

■ 42.5201, 56.4397,
89.5428

■ 45.4602, 59.1817,
89.9170

■ 49.1720, 62.3453,
90.3320

■ 53.7178, 65.9628,
90.7907

■ 59.1535, 70.0632,
91.2957

■ 65.5301, 74.6728,
91.8493

■ 72.8947, 79.8160,
92.4539

Harmonies

Analogous

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



34.6105, 50.3157, 64.0228



37.5039, 50.3157, 88.6241



43.2942, 50.3157, 106.4599

Triad

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



37.5039, 50.3157, 88.6241



63.5063, 50.3157, 69.3125



44.8289, 50.3157, 22.6121

Complementary

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



37.5039, 50.3157, 88.6241



35.7788, 19.2137, 1.8246

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.



52.6583, 50.3157, 23.3087



37.5039, 50.3157, 88.6241



64.0325, 50.3157, 46.4820

Square

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



37.5039, 50.3157, 88.6241



58.5134, 50.3157, 93.3901



59.8813, 50.3157, 30.8865



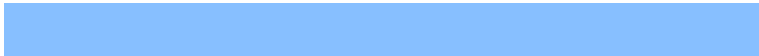
38.5221, 50.3157, 28.6249

Rectangle

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



37.5039, 50.3157, 88.6241



48.2924, 50.3157, 109.8075



59.8813, 50.3157, 30.8865



47.3578, 50.3157, 22.1258

Sweetspot

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



37.5056, 50.3175, 88.6253



69.0904, 81.8750, 106.7698



30.8335, 61.2533, 11.5493



14.1857, 17.0758, 22.7982



0.0000, 0.0000, 0.0000



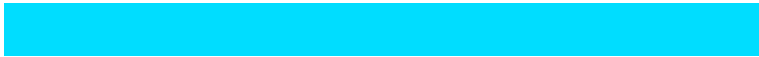
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.5056, 50.3175, 88.6253



43.8292, 58.7785, 103.6431



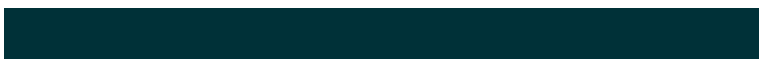
18.8666, 13.0396, 82.4124



16.0555, 17.5452, 20.2619



20.9924, 28.2090, 49.4663



1.7961, 2.4461, 4.1317

Inverse Universe

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



46.4019, 22.6351, 60.3177



54.2522, 26.4649, 70.4512



46.2881, 40.2325, 5.3278



16.3575, 15.9927, 19.4386



25.9216, 12.6411, 33.8334



2.1815, 1.0617, 2.9467

Previews

White Background



This preview shows how the XYZ color 37.5039, 50.3157, 88.6241 looks on a white background.

Color Contrast Check

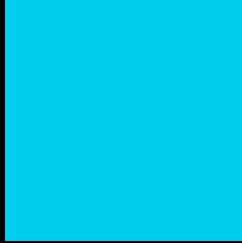
Large Text (above 18pt) WCAG AA × Fail

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 37.5039, 50.3157, 88.6241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

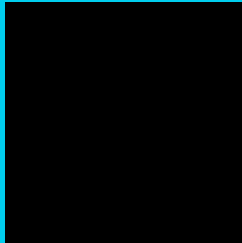
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5039, 50.3157, 88.6241

Background



This preview shows how black text looks on a background with the XYZ color 37.5039, 50.3157, 88.6241.

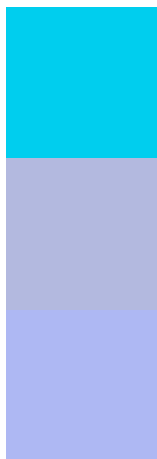


This preview shows how white text looks on a background with the XYZ color 37.5039, 50.3157,

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

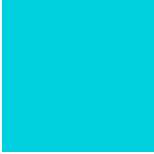
37.5039, 50.3157, 88.6241

Protanopia

49.2587, 49.6093, 76.7914

Deuteranopia

50.7737, 49.7507, 91.7208



Tritanopia

36.0104, 50.4936, 78.3693

Trichromacy



Original Color

37.5039, 50.3157, 88.6241



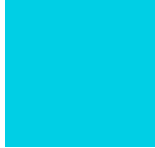
Protanomaly

40.0130, 47.3188, 80.4233



Deuteranomaly

41.2824, 47.4297, 90.1981



Tritanomaly

36.4557, 50.2828, 81.9129

Monochromacy



Original Color

37.5039, 50.3157, 88.6241



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

27.1446, 34.0918, 48.8658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5039, 50.3157, 88.6241 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, 206, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 238)  
}
```

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, 206, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 238) }
```

Border

The CSS property to change the border of an element to XYZ 37.5039, 50.3157, 88.6241 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, 206, 238) }
```


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

```
.border{ border-color:rgb(0, 206, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5039, 50.3157, 88.6241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 238) }
```

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

```
.background{ background-color: rgb(0, 206,  
238) }
```

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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