

Converting Colors

XYZ(37.0858, 46.0585, 99.0310)

Have a look what the booklet for
XYZ(37.0858, 46.0585, 99.0310)
contains.

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Color

**XYZ(37.0858, 46.0585,
99.0310)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3FC
RGB	0, 195, 252
RGB Percent	0%, 76%, 99%
CMY	0.9997, 0.2353, 0.0118
CMYK	1.00, 0.23, 0.00, 0.01
HSL	194°, 100%, 49%
HSV	194°, 100%, 99%
XYZ	37.0858, 46.0585, 99.0310
YIQ	143.1930, -134.5170, -23.6130

Conversions

Conversions Part 2

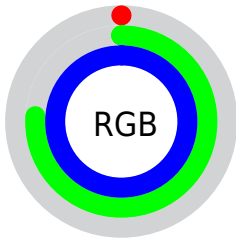
Format	Color
RYB	0, 110, 252
Decimal	50172
CIELab	73.58, -20.77, -39.32
CIELCh	74, 44.471, 242.156
Yxy	46.0585, 0.2036, 0.2528
Android (android.graphics.Color)	4278240252 (0xFF00C3FC)
YUV	143.1930, 53.6419, -125.5803
Hunter-Lab	67.8664, -21.2244, -39.0098

Details

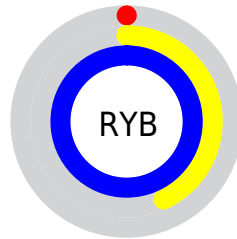
The XYZ color **37.0858, 46.0585, 99.0310** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **41.6125, 23.6293, 2.3698**, and the grayscale version is **26.0259, 27.3813, 29.8182**.

A 20% lighter version of the original color is **59.6705, 80.3515, 106.9722**, and **19.3752, 22.9899, 55.0461** is the 20% darker color. If you saturate the color by 10%, you get **37.0827, 46.0520, 99.0309**, and if you desaturate by 10%, it is **38.7962, 48.8739, 99.4852**.

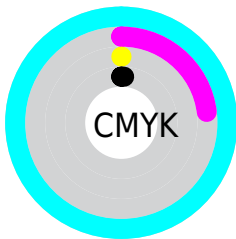
Distribution



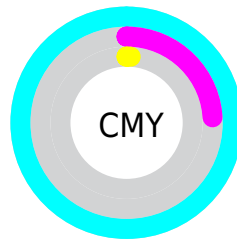
- Red (0%)
- Green (76%)
- Blue (99%)



- Red (0%)
- Yellow (43%)
- Blue (99%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (24%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0858, 46.0585, 99.0310 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 37.0858, 46.0585, 99.0310 by changing the saturation by 10% instead.

■ 37.0858, 46.0585,
99.0310

■ 37.0858, 46.0585,
99.0310

325.0309,
371.0438, 578.3016

■ 25.4479, 32.2920,
74.8792

■ 70.0177, 84.3065,
161.8652

■ 16.5416, 21.5846,
55.0128

■ 92.0424, 109.5569,
201.3846

■ 10.0015, 13.5520,
39.0133

■ 118.2601,
139.4039, 246.8636

■ 5.4622, 7.8097,
26.4621

■ 149.0362,
174.2321, 298.7207

■ 2.5584, 3.9735,
16.9408

■ 184.7359,
214.4257, 357.3746

■ 0.9248, 1.6587,
10.0308

225.7247,

■ 0.0000, 0.3967,

260.3693, 423.2436

5.3135

272.3679,
312.4472, 496.7465

■ 0.0000, 0.0000,
2.3704

■ 0.0000, 0.0000,
0.7703

■ 37.0858, 46.0585,
99.0310

■ 37.0858, 46.0585,
99.0310

■ 37.0827, 46.0520,
99.0309

■ 38.7962, 48.8739,
99.4852

■ 41.0788, 52.0567,
99.9793

■ 44.0958, 55.6920,
100.5219

■ 47.9455, 59.8314,
101.1180

■ 52.7103, 64.5180,
101.7715

■ 58.4624, 69.7899,
102.4859

■ 65.2665, 75.6810,
103.2644

■ 73.1816, 82.2225,
104.1098

■ 82.2622, 89.4432,
105.0250

Harmonies

Analogous

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



32.1800, 46.0585, 76.9177



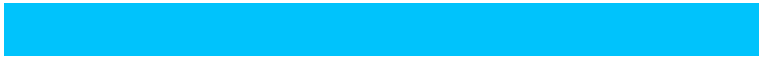
37.0858, 46.0585, 99.0310



44.3486, 46.0585, 107.0859

Triad

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



37.0858, 46.0585, 99.0310



60.6981, 46.0585, 48.5382



36.2106, 46.0585, 21.6897

Complementary

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



37.0858, 46.0585, 99.0310



41.6125, 23.6293, 2.3698

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.



43.2108, 46.0585, 18.1228



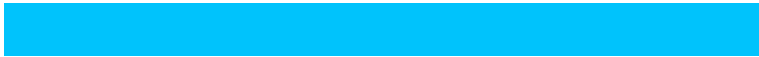
37.0858, 46.0585, 99.0310



57.8715, 46.0585, 30.4477

Square

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



37.0858, 46.0585, 99.0310



58.5595, 46.0585, 73.2253



51.2287, 46.0585, 20.7712



31.7189, 46.0585, 32.5162

Rectangle

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



37.0858, 46.0585, 99.0310



49.7326, 46.0585, 101.9185



51.2287, 46.0585, 20.7712



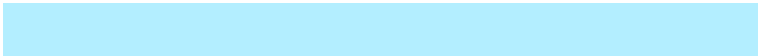
38.3173, 46.0585, 19.7779

Sweetspot

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



37.0874, 46.0601, 99.0322



67.0099, 77.7140, 106.0762



35.4931, 69.8946, 15.1920



13.6831, 16.0707, 22.6307



0.0000, 0.0000, 0.0000



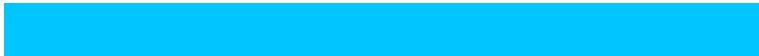
20.3446, 21.4041, 23.3091

Same Dimension

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



37.0874, 46.0601, 99.0322



38.0858, 47.2915, 101.7286



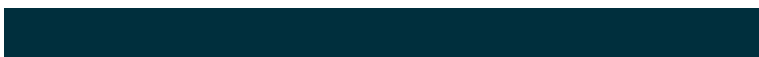
19.8540, 11.5932, 93.2877



17.4133, 18.9033, 22.1162



19.4326, 24.2208, 51.6244



1.8784, 2.4005, 4.8075

Inverse Universe

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



49.9967, 24.6375, 53.7515



51.3531, 25.3053, 55.1850



56.5928, 53.5900, 7.3633



17.8151, 17.4534, 20.8822



26.1007, 12.8560, 28.3025



2.4571, 1.2066, 2.8302

Previews

White Background



This preview shows how the XYZ color 37.0858, 46.0585, 99.0310 looks on a white background.

Color Contrast Check

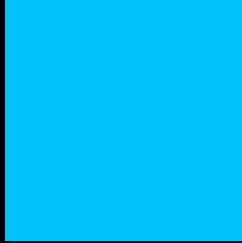
Large Text (above 18pt) WCAG AA × Fail

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 37.0858, 46.0585, 99.0310 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

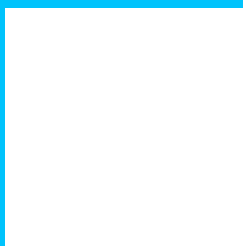
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0858, 46.0585, 99.0310

Background



This preview shows how black text looks on a background with the XYZ color 37.0858, 46.0585, 99.0310.

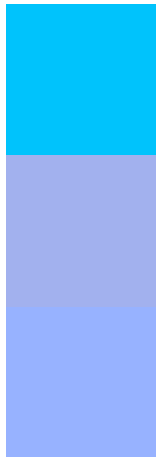


This preview shows how white text looks on a background with the XYZ color 37.0858, 46.0585,

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

37.0858, 46.0585, 99.0310

Protanopia

46.0550, 45.2987, 87.2051

Deuteranopia

46.7329, 45.6401, 100.9541



Tritanopia

32.9200, 46.2148, 71.4753

Trichromacy



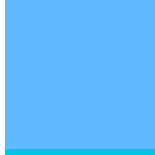
Original Color

37.0858, 46.0585, 99.0310



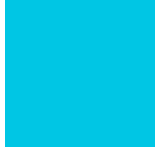
Protanomaly

38.9117, 43.6356, 91.1657



Deuteranomaly

39.8538, 43.9235, 100.1435



Tritanomaly

34.1977, 45.9896, 80.4733

Monochromacy



Original Color

37.0858, 46.0585, 99.0310



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.7820, 31.4837, 49.5179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0858, 46.0585, 99.0310 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, 195, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 252)  
}
```

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, 195, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 252) }
```

Border

The CSS property to change the border of an element to XYZ 37.0858, 46.0585, 99.0310 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, 195, 252) }
```


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

```
.border{ border-color:rgb(0, 195, 252) }
```

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

Here you see how a box with a 4 pixel rgb(0, 195, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0858, 46.0585, 99.0310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 252) }
```

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

```
.background{ background-color: rgb(0, 195,  
252) }
```

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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