

Converting Colors

XYZ(37.8357, 49.0346, 94.6610)

Have a look what the booklet for
XYZ(37.8357, 49.0346, 94.6610)
contains.

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Color

**XYZ(37.7676, 48.9013,
94.6371)**

Conversions

Conversions Part 1

Format	Color
Hex	01CAF6
RGB	1, 202, 246
RGB Percent	0%, 79%, 96%
CMY	0.9958, 0.2078, 0.0353
CMYK	1.00, 0.18, 0.00, 0.04
HSL	191°, 99%, 48%
HSV	191°, 100%, 96%
XYZ	37.7676, 48.9013, 94.6371
YIQ	146.9170, -133.9200, -28.9280

Conversions

Conversions Part 2

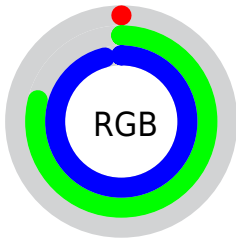
Format	Color
RYB	1, 111, 246
Decimal	117494
CIELab	75.39, -26.33, -33.30
CIELCh	75, 42.452, 231.663
Yxy	48.9013, 0.2083, 0.2697
Android (android.graphics.Color)	4278307574 (0xFF01CAF6)
YUV	146.9170, 48.8479, -127.9692
Hunter-Lab	69.9295, -25.9720, -31.2879

Details

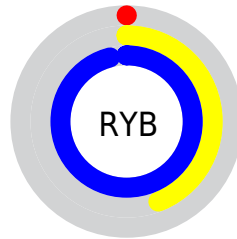
The XYZ color **37.7676, 48.9013, 94.6371** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.9534, 21.4776, 2.1233**, and the grayscale version is **27.5526, 28.9875, 31.5674**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **19.8842, 24.8975, 52.4729** is the 20% darker color. If you saturate the color by 10%, you get **37.7107, 48.8057, 94.6226**, and if you desaturate by 10%, it is **39.2254, 51.2151, 95.0078**.

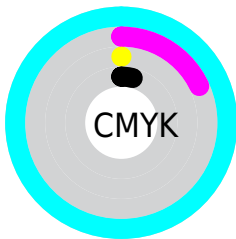
Distribution



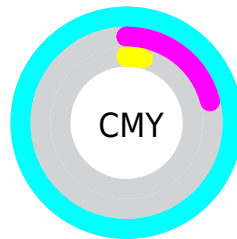
- Red (0%)
- Green (79%)
- Blue (96%)



- Red (0%)
- Yellow (44%)
- Blue (96%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (21%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7676, 48.9013, 94.6371 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 37.7676, 48.9013, 94.6371 by changing the saturation by 10% instead.


 37.7676, 48.9013,
94.6371


 37.7676, 48.9013,
94.6371


327.9201,
382.3536, 563.9572

 25.9788, 34.5412,
71.2378

 71.0580, 88.5448,
155.7544


 16.9403, 23.3097,
52.0532


 93.2902, 114.5971,
194.3095


 10.2870, 14.8223,
36.6650


 119.7344,
145.3155, 238.7535

 5.6534, 8.6948,
24.6544

 150.7557,
181.0844, 289.5050

 2.6741, 4.5426,
15.6031

 186.7195,
222.2883, 346.9826

 0.9839, 1.9815,
9.0924

227.9913,

 0.0000, 0.5967,

269.3115, 411.6048

4.7039

274.9364,
322.5385, 483.7902

■ 0.0000, 0.0000,
2.0189

■ 0.0000, 0.0000,
0.5669

■ 37.7676, 48.9013,
94.6371

■ 37.7676, 48.9013,
94.6371

■ 37.7107, 48.8057,
94.6226

■ 39.2254, 51.2151,
95.0078

■ 41.2183, 53.8484,
95.4111

■ 43.8931, 56.8779,
95.8549

■ 47.3412, 60.3513,
96.3436

■ 51.6395, 64.3085,
96.8808

■ 56.8555, 68.7846,
97.4699

■ 63.0497, 73.8111,
98.1136

■ 70.2773, 79.4169,
98.8147

■ 78.5893, 85.6286,
99.5756

Harmonies

Analogous

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



33.8659, 48.9013, 70.7641



37.7676, 48.9013, 94.6371



44.3343, 48.9013, 108.1850

Triad

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



37.7676, 48.9013, 94.6371



62.9888, 48.9013, 59.7319



41.1499, 48.9013, 22.4281

Complementary

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



37.7676, 48.9013, 94.6371



38.9534, 21.4776, 2.1233

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.



48.6922, 48.9013, 21.0067



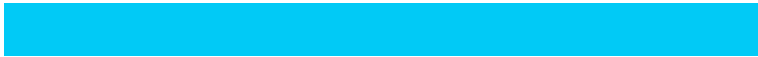
37.7676, 48.9013, 94.6371



61.8900, 48.9013, 38.8863

Square

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



37.7676, 48.9013, 94.6371



59.2902, 48.9013, 84.6487



56.4369, 48.9013, 26.1202



35.6609, 48.9013, 30.7636

Rectangle

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



37.7676, 48.9013, 94.6371



49.5837, 48.9013, 107.4906



56.4369, 48.9013, 26.1202



43.5071, 48.9013, 21.2409

Sweetspot

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



37.7693, 48.9030, 94.6383



68.0567, 79.8075, 106.4252



33.3856, 66.0856, 13.1767



13.9356, 16.5757, 22.7149



0.0000, 0.0000, 0.0000



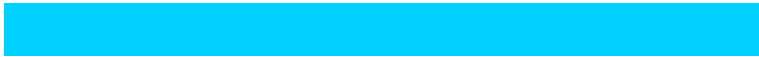
20.3446, 21.4041, 23.3091

Same Dimension

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



37.7693, 48.9030, 94.6383



40.8976, 52.9152, 102.6659



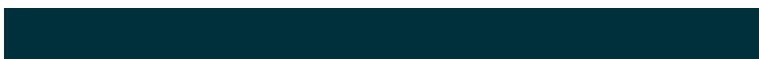
19.7197, 12.8038, 88.6218



16.7287, 18.2217, 21.1780



20.2227, 26.2393, 50.5369



1.8420, 2.4354, 4.4632

Inverse Universe

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



48.6791, 23.8807, 57.9224



52.7724, 25.8730, 62.6589



51.3520, 46.2747, 6.2562



17.0784, 16.7142, 20.1594



26.0120, 12.7482, 31.1013



2.3188, 1.1335, 2.9052

Previews

White Background



This preview shows how the XYZ color 37.7676, 48.9013, 94.6371 looks on a white background.

Color Contrast Check

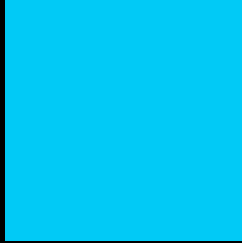
Large Text (above 18pt) WCAG AA × Fail

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 37.7676, 48.9013, 94.6371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

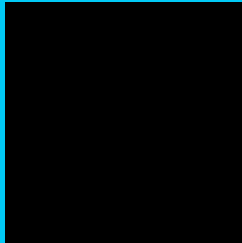
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7676, 48.9013, 94.6371

Background



This preview shows how black text looks on a background with the XYZ color 37.7676, 48.9013, 94.6371.

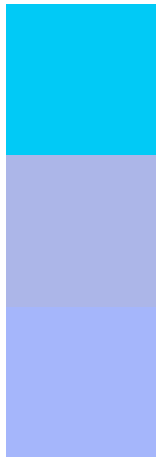


This preview shows how white text looks on a background with the XYZ color 37.7676, 48.9013,

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

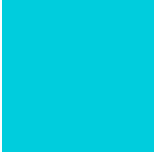
37.7676, 48.9013, 94.6371

Protanopia

48.3067, 48.0527, 83.0730

Deuteranopia

49.6576, 48.4203, 97.9956



Tritanopia

34.8825, 48.8831, 76.0035

Trichromacy



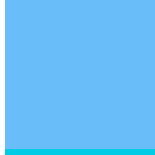
Original Color

37.7676, 48.9013, 94.6371



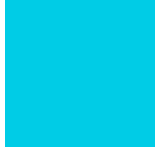
Protanomaly

39.9141, 45.8246, 86.8621



Deuteranomaly

41.1222, 46.2380, 96.3800



Tritanomaly

35.8758, 48.8989, 82.4105

Monochromacy



Original Color

37.7676, 48.9013, 94.6371



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

26.9821, 33.4360, 49.8314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7676, 48.9013, 94.6371 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(1, 202, 246)` looks like.

```
.text, #text, p{  
    color:rgb(1, 202, 246)  
}
```

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(1, 202, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 202, 246) }
```

Border

The CSS property to change the border of an element to XYZ 37.7676, 48.9013, 94.6371 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(1, 202, 246) }
```


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

```
.border{ border-color:rgb(1, 202, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 202, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 202, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 202, 246);  
box-shadow:4px 4px 4px 4px rgb(1, 202,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7676, 48.9013, 94.6371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 202, 246) }
```

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

```
.background{ background-color: rgb(1, 202,  
246) }
```

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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