

Converting Colors

XYZ(33.3767, 46.2582, 93.7357)

Have a look what the booklet for
XYZ(33.3767, 46.2582, 93.7357)
contains.

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Color

**XYZ(37.3681, 48.3659,
93.7522)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9F5
RGB	0, 201, 245
RGB Percent	0%, 79%, 96%
CMY	0.9997, 0.2118, 0.0392
CMYK	1.00, 0.18, 0.00, 0.04
HSL	191°, 100%, 48%
HSV	191°, 100%, 96%
XYZ	37.3681, 48.3659, 93.7522
YIQ	145.9170, -133.9200, -28.9280

Conversions

Conversions Part 2

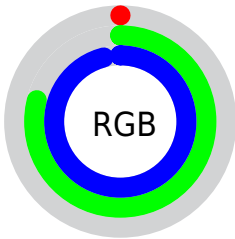
Format	Color
RYB	0, 110, 245
Decimal	51701
CIELab	75.06, -26.19, -33.28
CIELCh	75, 42.348, 231.798
Yxy	48.3659, 0.2082, 0.2695
Android (android.graphics.Color)	4278241781 (0xFF00C9F5)
YUV	145.9170, 48.8479, -127.9692
Hunter-Lab	69.5456, -25.7935, -31.2450

Details

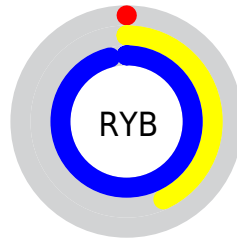
The XYZ color **37.3681, 48.3659, 93.7522** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **38.5603, 21.2194, 2.0654**, and the grayscale version is **27.1425, 28.5560, 31.0975**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **19.6190, 24.5416, 51.8471** is the 20% darker color. If you saturate the color by 10%, you get **37.3659, 48.3612, 93.7524**, and if you desaturate by 10%, it is **38.8000, 50.6499, 94.1186**.

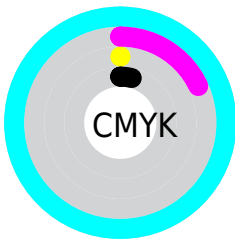
Distribution



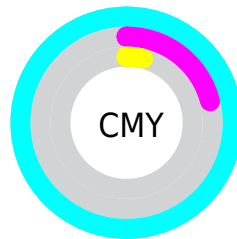
- Red (0%)
- Green (79%)
- Blue (96%)



- Red (0%)
- Yellow (43%)
- 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 37.3681, 48.3659, 93.7522 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 37.3681, 48.3659, 93.7522 by changing the saturation by 10% instead.


 37.3681, 48.3659,
93.7522


 37.3681, 48.3659,
93.7522


326.2294,
380.2406, 561.0445


 25.6676, 34.1167,
70.5057


 70.4487, 87.7489,
154.5203

 16.7065, 22.9833,
51.4596


 92.5596, 113.6516,
192.8790


 10.1195, 14.5812,
36.1952


 118.8712,
144.2076, 237.1122

 5.5411, 8.5260,
24.2941

 149.7491,
179.8012, 287.6384

 2.6061, 4.4333,
15.3377

 185.5585,
220.8170, 344.8762

 0.9491, 1.9188,
8.9075

226.6647,

 0.0000, 0.5596,

267.6392, 409.2442

4.5849

273.4333,
320.6523, 481.1607

■ 0.0000, 0.0000,
1.9514

■ 0.0000, 0.0000,
0.5251

■ 37.3681, 48.3659,
93.7522

■ 37.3681, 48.3659,
93.7522

■ 37.3659, 48.3612,
93.7524

■ 38.8000, 50.6499,
94.1186

■ 40.7501, 53.2443,
94.5165

■ 43.3715, 56.2290,
94.9545

■ 46.7555, 59.6516,
95.4367

■ 50.9787, 63.5518,
95.9670

■ 56.1083, 67.9647,
96.5484

■ 62.2043, 72.9215,
97.1839

■ 69.3217, 78.4509,
97.8760

■ 77.5111, 84.5793,
98.6273

Harmonies

Analogous

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



33.4918, 48.3659, 70.1251



37.3681, 48.3659, 93.7522



43.8799, 48.3659, 107.1067

Triad

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



37.3681, 48.3659, 93.7522



62.3275, 48.3659, 58.9793



40.6632, 48.3659, 22.1760

Complementary

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



37.3681, 48.3659, 93.7522



38.5603, 21.2194, 2.0654

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.



48.1262, 48.3659, 20.7411



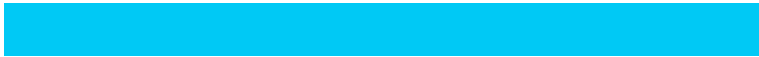
37.3681, 48.3659, 93.7522



61.2173, 48.3659, 38.3696

Square

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



37.3681, 48.3659, 93.7522



58.6834, 48.3659, 83.6592



55.8007, 48.3659, 25.7702



35.2403, 48.3659, 30.4587

Rectangle

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



37.3681, 48.3659, 93.7522



49.0804, 48.3659, 106.3631



55.8007, 48.3659, 25.7702



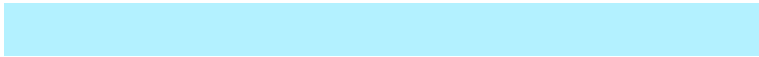
42.9946, 48.3659, 20.9916

Sweetspot

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



37.3697, 48.3676, 93.7534



68.0567, 79.8075, 106.4252



33.0520, 65.4653, 12.9821



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.



37.3697, 48.3676, 93.7534



40.8977, 52.9154, 102.6659



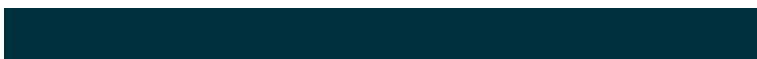
19.4783, 12.5847, 87.7896



16.7287, 18.2217, 21.1780



20.2228, 26.2394, 50.5369



1.8420, 2.4354, 4.4632

Inverse Universe

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



48.2003, 23.6314, 57.2808



52.7725, 25.8730, 62.6592



50.8178, 45.7345, 6.1513



17.0784, 16.7142, 20.1594



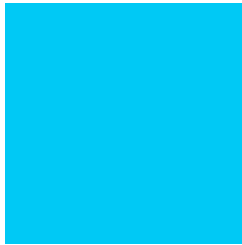
26.0120, 12.7483, 31.1015



2.3188, 1.1335, 2.9053

Previews

White Background



This preview shows how the XYZ color 37.3681, 48.3659, 93.7522 looks on a white background.

Color Contrast Check

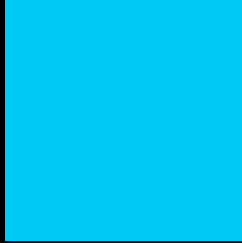
Large Text (above 18pt) WCAG AA × Fail

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 37.3681, 48.3659, 93.7522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

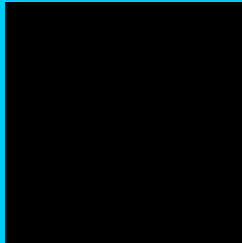
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3681, 48.3659, 93.7522

Background



This preview shows how black text looks on a background with the XYZ color 37.3681, 48.3659, 93.7522.

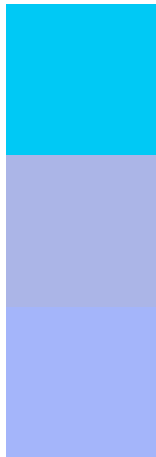


This preview shows how white text looks on a background with the XYZ color 37.3681, 48.3659,

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

37.3681, 48.3659, 93.7522

Protanopia

47.7423, 47.4752, 82.2486

Deuteranopia

49.0890, 47.8424, 97.0897



Tritanopia

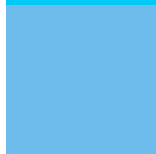
34.5111, 48.3530, 75.2243

Trichromacy



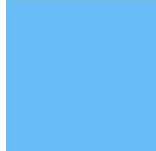
Original Color

37.3681, 48.3659, 93.7522



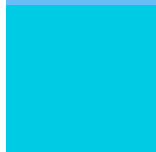
Protanomaly

39.4302, 45.2738, 86.0174



Deuteranomaly

40.6354, 45.6868, 95.4837



Tritanomaly

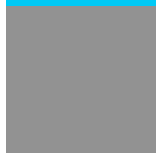
35.4988, 48.3690, 81.5939

Monochromacy



Original Color

37.3681, 48.3659, 93.7522



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

26.5939, 32.9770, 49.2195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3681, 48.3659, 93.7522 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, 201, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 245)  
}
```

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, 201, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 245) }
```

Border

The CSS property to change the border of an element to XYZ 37.3681, 48.3659, 93.7522 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, 201, 245) }
```


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

```
.border{ border-color:rgb(0, 201, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3681, 48.3659, 93.7522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 245) }
```

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

```
.background{ background-color: rgb(0, 201,  
245) }
```

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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