

Converting Colors

XYZ(18.1535, 37.5814, 90.7057)

Have a look what the booklet for
XYZ(18.1535, 37.5814, 90.7057)
contains.

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Color

**XYZ(36.3717, 46.8592,
91.9218)**

Conversions

Conversions Part 1

Format	Color
Hex	00C6F3
RGB	0, 198, 243
RGB Percent	0%, 78%, 95%
CMY	0.9997, 0.2235, 0.0471
CMYK	1.00, 0.19, 0.00, 0.05
HSL	191°, 100%, 48%
HSV	191°, 100%, 95%
XYZ	36.3717, 46.8592, 91.9218
YIQ	143.9280, -132.4530, -27.9810

Conversions

Conversions Part 2

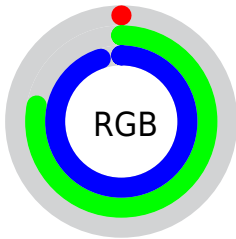
Format	Color
RYB	0, 109, 243
Decimal	50931
CIELab	74.10, -25.36, -33.68
CIELCh	74, 42.157, 233.025
Yxy	46.8592, 0.2077, 0.2675
Android (android.graphics.Color)	4278241011 (0xFF00C6F3)
YUV	143.9280, 48.8425, -126.2249
Hunter-Lab	68.4538, -24.9513, -31.6988

Details

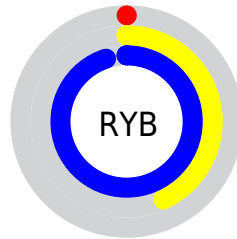
The XYZ color **36.3717, 46.8592, 91.9218** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.9037, 20.9367, 2.0453**, and the grayscale version is **26.3365, 27.7080, 30.1740**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **18.9429, 23.5344, 50.5579** is the 20% darker color. If you saturate the color by 10%, you get **36.3698, 46.8549, 91.9220**, and if you desaturate by 10%, it is **37.8021, 49.1476, 92.2890**.

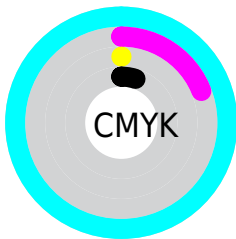
Distribution



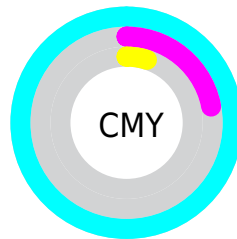
- Red (0%)
- Green (78%)
- Blue (95%)



- Red (0%)
- Yellow (43%)
- Blue (95%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (22%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3717, 46.8592, 91.9218 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 36.3717, 46.8592, 91.9218 by changing the saturation by 10% instead.


 36.3717, 46.8592,
91.9218


 36.3717, 46.8592,
91.9218


321.9852,
374.2522, 554.9934


 24.8928, 32.9244,
68.9930


 68.9255, 85.5034,
151.9638


 16.1255, 22.0685,
50.2343

 90.7312, 110.9816,
189.9140

 9.7044, 13.9072,
35.2271


 116.7098,
141.0763, 233.7085

 5.2642, 8.0562,
23.5529

 147.2268,
176.1720, 283.7658

 2.4394, 4.1309,
14.7932

 182.6475,
216.6530, 340.5043

 0.8648, 1.7471,
8.5294

223.3372,

 0.0000, 0.4539,

262.9038, 404.3428

4.3429

269.6614,
315.3088, 475.6996

■ 0.0000, 0.0000,
1.8153

■ 0.0000, 0.0000,
0.4380

■ 36.3717, 46.8592,
91.9218

■ 36.3717, 46.8592,
91.9218

■ 36.3698, 46.8549,
91.9220

■ 37.8021, 49.1476,
92.2890

■ 39.7423, 51.7437,
92.6879

■ 42.3429, 54.7264,
93.1265

■ 45.6935, 58.1423,
93.6093

■ 49.8691, 62.0304,
94.1397

■ 54.9356, 66.4250,
94.7209

■ 60.9518, 71.3569,
95.3558

■ 67.9716, 76.8541,
96.0468

■ 76.0447, 82.9426,
96.7965

Harmonies

Analogous

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



32.4788, 46.8592, 69.0546



36.3717, 46.8592, 91.9218



42.8001, 46.8592, 104.3570

Triad

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



36.3717, 46.8592, 91.9218



60.5421, 46.8592, 56.2340



39.1026, 46.8592, 21.5454

Complementary

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



36.3717, 46.8592, 91.9218



37.9037, 20.9367, 2.0453

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.



46.3229, 46.8592, 19.8996



36.3717, 46.8592, 91.9218



59.2649, 46.8592, 36.4380

Square

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



36.3717, 46.8592, 91.9218



57.1596, 46.8592, 80.3058



53.8440, 46.8592, 24.5112



33.9267, 46.8592, 29.8937

Rectangle

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



36.3717, 46.8592, 91.9218



47.8878, 46.8592, 103.1351



53.8440, 46.8592, 24.5112



41.3487, 46.8592, 20.3088

Sweetspot

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



36.3733, 46.8608, 91.9230



67.9300, 79.5542, 106.3830



32.5178, 64.2888, 13.1378



13.9050, 16.5145, 22.7047



0.0000, 0.0000, 0.0000



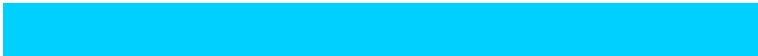
20.3446, 21.4041, 23.3091

Same Dimension

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



36.3733, 46.8608, 91.9230



40.5490, 52.2181, 102.5497



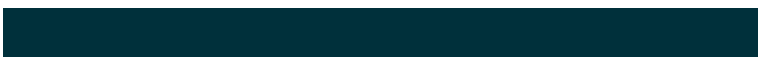
18.8321, 11.7785, 86.0759



16.7205, 18.2053, 21.1753



20.0536, 25.9010, 50.4805



1.8286, 2.4086, 4.4588

Inverse Universe

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



47.1566, 23.1336, 55.4074



52.5965, 25.8026, 61.7324



50.6121, 46.3534, 6.2814



17.0742, 16.7125, 20.1375



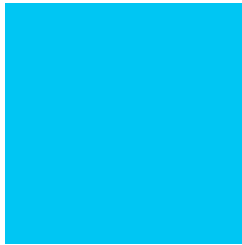
25.9266, 12.7141, 30.6517



2.3121, 1.1308, 2.8696

Previews

White Background



This preview shows how the XYZ color 36.3717, 46.8592, 91.9218 looks on a white background.

Color Contrast Check

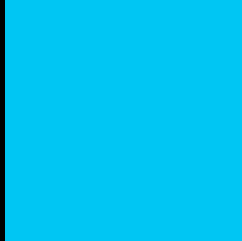
Large Text (above 18pt) WCAG AA × Fail

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 36.3717, 46.8592, 91.9218 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

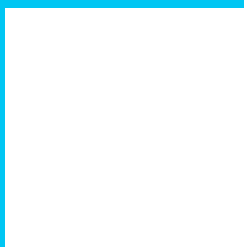
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3717, 46.8592, 91.9218

Background



This preview shows how black text looks on a background with the XYZ color 36.3717, 46.8592, 91.9218.

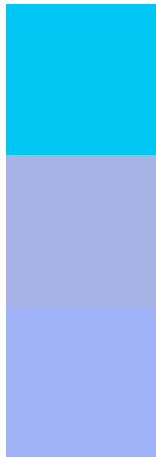


This preview shows how white text looks on a background with the XYZ color 36.3717, 46.8592,

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

36.3717, 46.8592, 91.9218

Protanopia

46.4114, 46.2222, 80.6044

Deuteranopia

47.2061, 46.0298, 94.3923



Tritanopia

33.4110, 46.7830, 72.9147

Trichromacy



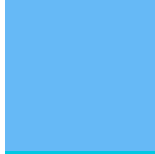
Original Color

36.3717, 46.8592, 91.9218



Protanomaly

38.4736, 44.1841, 84.3425



Deuteranomaly

39.4630, 44.1765, 93.6358



Tritanomaly

34.3817, 46.7995, 79.1726

Monochromacy



Original Color

36.3717, 46.8592, 91.9218



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

25.9273, 32.1215, 48.0136

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3717, 46.8592, 91.9218 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, 198, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 243)  
}
```

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, 198, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 243) }
```

Border

The CSS property to change the border of an element to XYZ 36.3717, 46.8592, 91.9218 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, 198, 243) }
```


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

```
.border{ border-color:rgb(0, 198, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 198,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3717, 46.8592, 91.9218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 243) }
```

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

```
.background{ background-color: rgb(0, 198,  
243) }
```

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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