

Converting Colors

XYZ(29.5837, 46.4803, 91.4464)

Have a look what the booklet for
XYZ(29.5837, 46.4803, 91.4464)
contains.

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Color

**XYZ(38.3398, 51.0365,
91.8347)**

Conversions

Conversions Part 1

Format	Color
Hex	00CFF2
RGB	0, 207, 242
RGB Percent	0%, 81%, 95%
CMY	0.9998, 0.1882, 0.0510
CMYK	1.00, 0.14, 0.00, 0.05
HSL	189°, 100%, 47%
HSV	189°, 100%, 95%
XYZ	38.3398, 51.0365, 91.8347
YIQ	149.0970, -134.6070, -32.9990

Conversions

Conversions Part 2

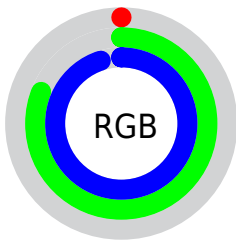
Format	Color
RYB	0, 112, 242
Decimal	53234
CIELab	76.70, -30.14, -29.13
CIELCh	77, 41.917, 224.031
Yxy	51.0365, 0.2116, 0.2816
Android (android.graphics.Color)	4278243314 (0xFF00CFF2)
YUV	149.0970, 45.8012, -130.7581
Hunter-Lab	71.4398, -29.2237, -26.2084

Details

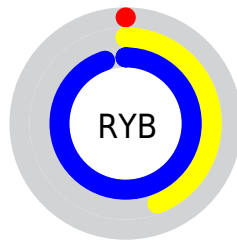
The XYZ color **38.3398, 51.0365, 91.8347** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.2215, 20.0832, 1.9164**, and the grayscale version is **28.4702, 29.9528, 32.6186**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **20.0912, 26.0016, 50.4143** is the 20% darker color. If you saturate the color by 10%, you get **38.3386, 51.0336, 91.8352**, and if you desaturate by 10%, it is **39.5813, 52.9505, 92.1397**.

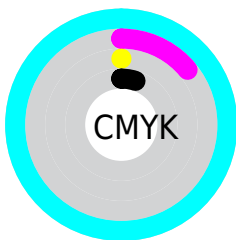
Distribution



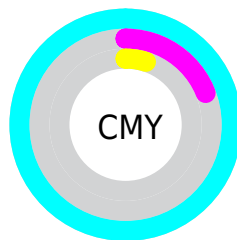
- Red (0%)
- Green (81%)
- Blue (95%)



- Red (0%)
- Yellow (44%)
- Blue (95%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (5%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3398, 51.0365, 91.8347 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 38.3398, 51.0365, 91.8347 by changing the saturation by 10% instead.


 38.3398, 51.0365,
91.8347


 38.3398, 51.0365,
91.8347


330.3311,
390.7056, 554.7045


 26.4249, 36.2377,
68.9211


 71.9292, 91.7087,
151.8420


 17.2762, 24.6178,
50.1761


 94.3345, 118.3509,
189.7727

 10.5281, 15.7925,
35.1812


 120.9672,
149.7096, 233.5462

 5.8154, 9.3775,
23.5178

 152.1929,
186.1693, 283.5811

 2.7728, 4.9882,
14.7674

 188.3767,
228.1144, 340.2958

 1.0348, 2.2403,
8.5115

229.8841,

 0.0000, 0.7419,

275.9292, 404.1089

4.3315

277.0805,
329.9981, 475.4390

■ 0.0000, 0.0000,
1.8089

■ 0.0000, 0.0000,
0.4338

■ 38.3398, 51.0365,
91.8347

■ 38.3398, 51.0365,
91.8347

■ 38.3386, 51.0336,
91.8352

■ 39.5813, 52.9505,
92.1397

■ 41.3157, 55.1459,
92.4720

■ 43.6925, 57.7007,
92.8399

■ 46.8002, 60.6606,
93.2474

■ 50.7131, 64.0643,
93.6982

■ 55.4959, 67.9453,
94.1952

■ 61.2071, 72.3337,
94.7412

■ 67.8996, 77.2572,
95.3388

■ 75.6226, 82.7413,
95.9903

Harmonies

Analogous

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



35.1541, 51.0365, 66.8587



38.3398, 51.0365, 91.8347



44.4287, 51.0365, 109.0938

Triad

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



38.3398, 51.0365, 91.8347



64.7159, 51.0365, 68.4872



44.9007, 51.0365, 23.0301

Complementary

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



38.3398, 51.0365, 91.8347



37.2215, 20.0832, 1.9164

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.



52.8310, 51.0365, 23.2435



38.3398, 51.0365, 91.8347



64.8780, 51.0365, 45.6295

Square

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



38.3398, 51.0365, 91.8347



59.9120, 51.0365, 93.3037



60.3332, 51.0365, 30.3842



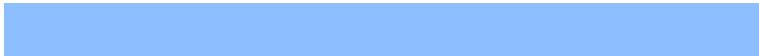
38.6527, 51.0365, 29.6905

Rectangle

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



38.3398, 51.0365, 91.8347



49.5898, 51.0365, 111.5882



60.3332, 51.0365, 30.3842



47.4433, 51.0365, 22.3715

Sweetspot

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



38.3415, 51.0383, 91.8360



68.8558, 81.4057, 106.6915



32.0184, 63.6114, 11.9801



14.1288, 16.9621, 22.7793



0.0000, 0.0000, 0.0000



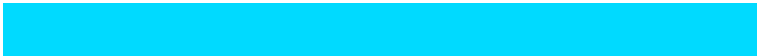
20.3446, 21.4041, 23.3091

Same Dimension

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



38.3415, 51.0383, 91.8360



43.1505, 57.4211, 103.4168



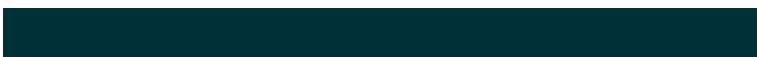
19.5815, 13.5183, 85.5826



16.0411, 17.5164, 20.2571



20.6737, 27.5717, 49.3601



1.7726, 2.3992, 4.1239

Inverse Universe

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



47.8819, 23.3839, 61.0232



53.9096, 26.3278, 68.6472



48.0575, 41.7551, 5.5284



16.3502, 15.9898, 19.4004



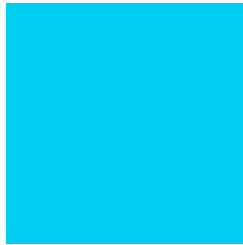
25.7608, 12.5767, 32.9864



2.1697, 1.0569, 2.8843

Previews

White Background



This preview shows how the XYZ color 38.3398, 51.0365, 91.8347 looks on a white background.

Color Contrast Check

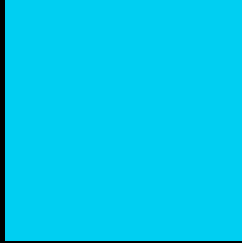
Large Text (above 18pt) WCAG AA × Fail

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 38.3398, 51.0365, 91.8347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

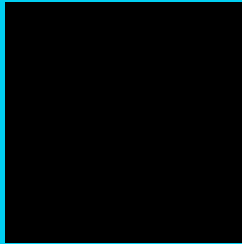
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3398, 51.0365, 91.8347

Background



This preview shows how black text looks on a background with the XYZ color 38.3398, 51.0365, 91.8347.



This preview shows how white text looks on a background with the XYZ color 38.3398, 51.0365,

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

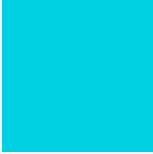
38.3398, 51.0365, 91.8347

Protanopia

50.0144, 50.2476, 79.7358

Deuteranopia

51.5930, 50.4120, 95.0069



Tritanopia

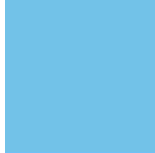
36.5279, 51.0919, 79.8880

Trichromacy



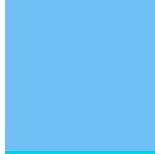
Original Color

38.3398, 51.0365, 91.8347



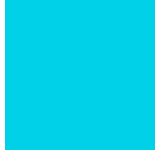
Protanomaly

40.7967, 47.9872, 83.4562



Deuteranomaly

42.1069, 48.1120, 93.4535



Tritanomaly

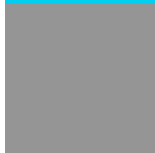
37.1214, 50.9379, 84.2194

Monochromacy



Original Color

38.3398, 51.0365, 91.8347



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.6413, 34.6012, 50.0216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3398, 51.0365, 91.8347 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, 207, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 242)  
}
```

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, 207, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 242) }
```

Border

The CSS property to change the border of an element to XYZ 38.3398, 51.0365, 91.8347 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, 207, 242) }
```


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

```
.border{ border-color:rgb(0, 207, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3398, 51.0365, 91.8347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 242) }
```

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

```
.background{ background-color: rgb(0, 207,  
242) }
```

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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