

Converting Colors

XYZ(33.1558, 47.6753, 95.5158)

Have a look what the booklet for
XYZ(33.1558, 47.6753, 95.5158)
contains.

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Color

**XYZ(38.6198, 50.3780,
95.6841)**

Conversions

Conversions Part 1

Format	Color
Hex	00CDF7
RGB	0, 205, 247
RGB Percent	0%, 80%, 97%
CMY	0.9997, 0.1961, 0.0314
CMYK	1.00, 0.17, 0.00, 0.03
HSL	190°, 100%, 48%
HSV	190°, 100%, 97%
XYZ	38.6198, 50.3780, 95.6841
YIQ	148.4930, -135.6620, -30.3980

Conversions

Conversions Part 2

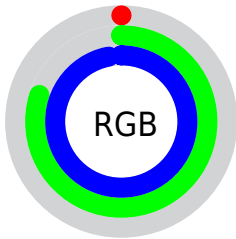
Format	Color
RYB	0, 112, 247
Decimal	52727
CIELab	76.30, -27.51, -32.43
CIElCh	76, 42.528, 229.688
Yxy	50.3780, 0.2091, 0.2728
Android (android.graphics.Color)	4278242807 (0xFF00CDF7)
YUV	148.4930, 48.5640, -130.2284
Hunter-Lab	70.9775, -27.0863, -30.2441

Details

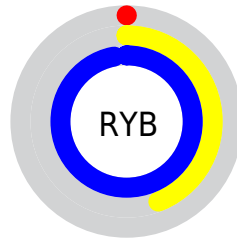
The XYZ color **38.6198, 50.3780, 95.6841** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **39.1890, 21.4354, 2.0740**, and the grayscale version is **28.2076, 29.6766, 32.3178**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **20.3103, 25.5743, 53.1561** is the 20% darker color. If you saturate the color by 10%, you get **38.6177, 50.3735, 95.6843**, and if you desaturate by 10%, it is **40.0344, 52.6201, 96.0433**.

Distribution



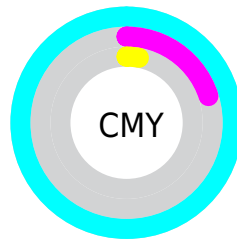
- Red (0%)
- Green (80%)
- Blue (97%)



- Red (0%)
- Yellow (44%)
- Blue (97%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (20%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6198, 50.3780, 95.6841 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 38.6198, 50.3780, 95.6841 by changing the saturation by 10% instead.


 38.6198, 50.3780,
95.6841


 38.6198, 50.3780,
95.6841


331.5064,
388.1423, 567.3929


 26.6435, 35.7138,
72.1045


 72.3549, 90.7347,
157.2131

 17.4408, 24.2133,
52.7566


 94.8445, 117.1960,
195.9995

 10.6465, 15.4919,
37.2221


 121.5691,
148.3585, 240.6919

 5.8952, 9.1653,
25.0824

 152.8942,
184.6065, 291.7089

 2.8215, 4.8492,
15.9189

 189.1851,
226.3246, 349.4689

 1.0601, 2.1590,
9.3130

230.8072,

 0.0000, 0.6975,

273.8969, 414.3906

4.8463

278.1259,
327.7080, 486.8924

■ 0.0000, 0.0000,
2.1002

■ 0.0000, 0.0000,
0.6159

■ 38.6198, 50.3780,
95.6841

■ 38.6198, 50.3780,
95.6841

■ 38.6177, 50.3735,
95.6843

■ 40.0344, 52.6201,
96.0433

■ 41.9743, 55.1726,
96.4337

■ 44.5953, 58.1167,
96.8639

■ 47.9903, 61.5009,
97.3382

■ 52.2377, 65.3658,
97.8603

■ 57.4057, 69.7468,
98.4335

■ 63.5559, 74.6760,
99.0608

■ 70.7439, 80.1823,
99.7448

■ 79.0216, 86.2928,
100.4880

Harmonies

Analogous

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



34.8314, 50.3780, 71.0425



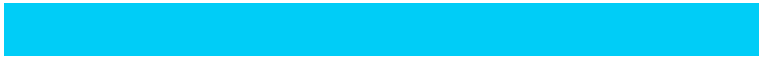
38.6198, 50.3780, 95.6841



45.1863, 50.3780, 110.4918

Triad

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



38.6198, 50.3780, 95.6841



64.6346, 50.3780, 63.1079



42.8937, 50.3780, 22.9919

Complementary

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



38.6198, 50.3780, 95.6841



39.1890, 21.4354, 2.0740

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.



50.6845, 50.3780, 21.9655



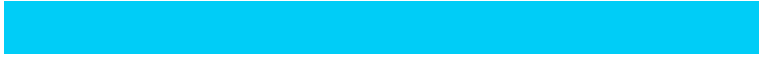
38.6198, 50.3780, 95.6841



63.8444, 50.3780, 41.3314

Square

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



38.6198, 50.3780, 95.6841



60.5720, 50.3780, 88.5060



58.5198, 50.3780, 27.6888



37.1023, 50.3780, 31.0378

Rectangle

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



38.6198, 50.3780, 95.6841



50.5135, 50.3780, 110.6246



58.5198, 50.3780, 27.6888



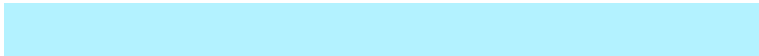
45.3450, 50.3780, 21.9204

Sweetspot

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



38.6215, 50.3798, 95.6854



68.2738, 80.2417, 106.4975



33.6662, 66.6844, 13.2156



13.9881, 16.6806, 22.7324



0.0000, 0.0000, 0.0000



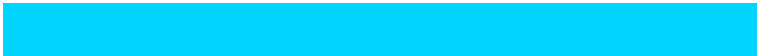
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6215, 50.3798, 95.6854



41.5008, 54.1215, 102.8669



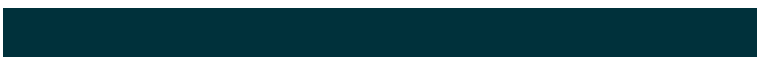
19.8357, 12.8082, 89.4234



16.7428, 18.2500, 21.1827



20.5154, 26.8245, 50.6344



1.8651, 2.4817, 4.4709

Inverse Universe

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



49.3787, 24.1838, 59.8246



53.0769, 25.9947, 64.2621



51.7581, 46.5736, 6.2637



17.0855, 16.7171, 20.1969



26.1597, 12.8073, 31.8791



2.3305, 1.1382, 2.9667

Previews

White Background



This preview shows how the XYZ color 38.6198, 50.3780, 95.6841 looks on a white background.

Color Contrast Check

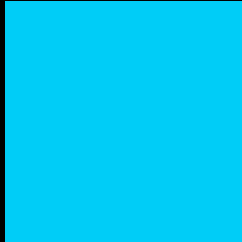
Large Text (above 18pt) WCAG AA × Fail

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 38.6198, 50.3780, 95.6841 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

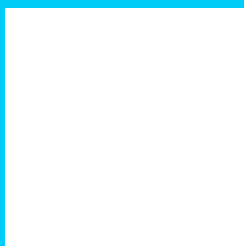
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6198, 50.3780, 95.6841

Background



This preview shows how black text looks on a background with the XYZ color 38.6198, 50.3780, 95.6841.

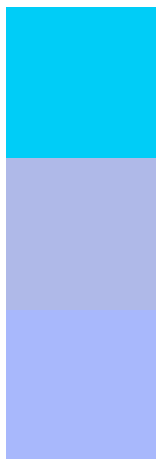


This preview shows how white text looks on a background with the XYZ color 38.6198, 50.3780,

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

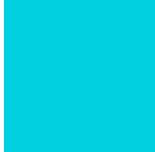
38.6198, 50.3780, 95.6841

Protanopia

49.5936, 49.6381, 83.3112

Deuteranopia

50.8596, 49.6341, 98.9952



Tritanopia

36.0104, 50.4936, 78.3693

Trichromacy



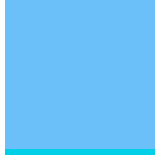
Original Color

38.6198, 50.3780, 95.6841



Protanomaly

40.6912, 47.1932, 87.0853



Deuteranomaly

42.1684, 47.7272, 97.4322



Tritanomaly

36.8783, 50.4518, 84.1384

Monochromacy



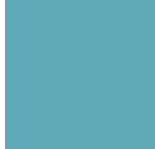
Original Color

38.6198, 50.3780, 95.6841



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.6642, 34.3116, 51.0637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6198, 50.3780, 95.6841 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, 205, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 247)  
}
```

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, 205, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 247) }
```

Border

The CSS property to change the border of an element to XYZ 38.6198, 50.3780, 95.6841 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, 205, 247) }
```


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

```
.border{ border-color:rgb(0, 205, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6198, 50.3780, 95.6841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 247) }
```

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

```
.background{ background-color: rgb(0, 205,  
247) }
```

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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