

Converting Colors

XYZ(38.6918, 46.8311,
101.6078)

Have a look what the booklet for
XYZ(38.6918, 46.8311, 101.6078)
contains.

XYZ(38.6918, 46.8311, 101.6078)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.6918, 46.8311,
101.6078)**

Conversions

Conversions Part 1

Format	Color
Hex	2EC3FF
RGB	46, 195, 255
RGB Percent	18%, 76%, 100%
CMY	0.8195, 0.2353, 0.0000
CMYK	0.82, 0.24, 0.00, 0.00
HSL	197°, 100%, 59%
HSV	197°, 82%, 100%
XYZ	38.6918, 46.8311, 101.6078
YIQ	157.2890, -108.0640, -12.9280

Conversions

Conversions Part 2

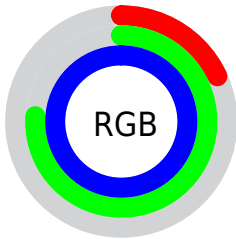
Format	Color
R _{YB}	46, 133, 255
Decimal	3064831
CIE Lab	74.08, -17.72, -40.13
CIE LCh	74, 43.867, 246.177
Yxy	46.8311, 0.2068, 0.2503
Android (android.graphics.Color)	4281254911 (0xFF2EC3FF)
YUV	157.2890, 48.1715, -97.6005
Hunter-Lab	68.4333, -18.8352, -40.1289

Details

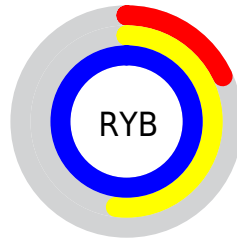
The XYZ color **38.6918, 46.8311, 101.6078** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.8893, 31.7690, 6.2475**, and the grayscale version is **32.0058, 33.6725, 36.6694**.

A 20% lighter version of the original color is **61.4646, 81.2764, 107.0561**, and **19.7179, 23.1270, 56.8508** is the 20% darker color. If you saturate the color by 10%, you get **36.2644, 43.2048, 101.0358**, and if you desaturate by 10%, it is **41.8833, 50.9723, 102.2389**.

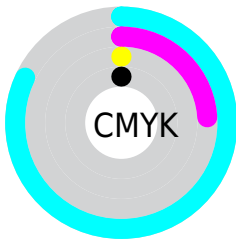
Distribution



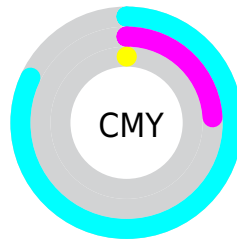
- Red (18%)
- Green (76%)
- Blue (100%)



- Red (18%)
- Yellow (52%)
- Blue (100%)



- Cyan (82%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6918, 46.8311, 101.6078 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 38.6918, 46.8311, 101.6078 by changing the saturation by 10% instead.

■ 38.6918, 46.8311,
101.6078

■ 38.6918, 46.8311,
101.6078

331.8081,
374.1399, 586.6259

■ 26.6997, 32.9022,
77.0196

■ 72.4643, 85.4615,
165.4360

■ 17.4832, 22.0515,
56.7573

■ 94.9755, 110.9316,
205.5131

■ 10.6771, 13.8947,
40.4024

■ 121.7237,
141.0177, 251.5903

■ 5.9158, 8.0475,
27.5362

■ 153.0743,
176.1041, 304.0861

■ 2.8341, 4.1254,
17.7404

189.3927,
216.5750, 363.4190

■ 1.0667, 1.7439,
10.5962

231.0443,

■ 0.0000, 0.4519,

262.8151, 430.0075

5.6853

278.3943,
315.2086, 504.2703

■ 0.0000, 0.0000,
2.5890

■ 0.0000, 0.0000,
0.8868

■ 38.6918, 46.8311,
101.6078

■ 38.6918, 46.8311,
101.6078

■ 36.2644, 43.2048,
101.0358

■ 41.8833, 50.9723,
102.2389

■ 34.7351, 40.5901,
100.6117

■ 45.9408, 55.6803,
102.9338

■ 50.9537, 61.0035,
103.6970

■ 56.9990, 66.9831,
104.5326

64.1449, 73.6560,
105.4440

72.4539, 81.0558,
106.4343

81.9834, 89.2137,
107.5067

92.7869, 98.1587,
108.6639

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



33.4107, 46.8311, 80.9831



38.6918, 46.8311, 101.6078



46.1546, 46.8311, 107.1374

Triad

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



38.6918, 46.8311, 101.6078



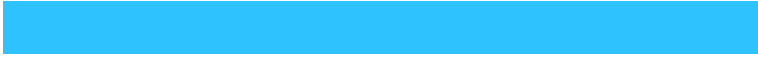
61.2581, 46.8311, 46.4821



36.1871, 46.8311, 23.4622

Complementary

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



38.6918, 46.8311, 101.6078



46.8893, 31.7690, 6.2475

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.



42.9080, 46.8311, 18.9688



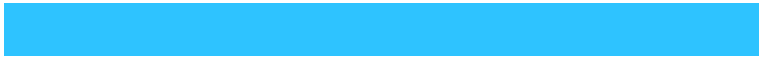
38.6918, 46.8311, 101.6078



57.8335, 46.8311, 29.5031

Square

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



38.6918, 46.8311, 101.6078



59.7880, 46.8311, 70.5093



50.8875, 46.8311, 20.7991



32.0878, 46.8311, 35.4547

Rectangle

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



38.6918, 46.8311, 101.6078



51.5040, 46.8311, 100.4247



50.8875, 46.8311, 20.7991



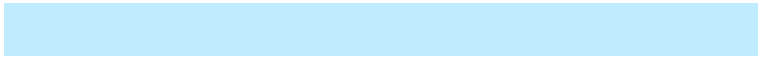
38.1825, 46.8311, 21.2143

Sweetspot

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



38.6933, 46.8326, 101.6080



69.7955, 78.7222, 106.1240



39.4493, 73.1260, 25.4624



14.3126, 16.2923, 22.6403



0.0000, 0.0000, 0.0000



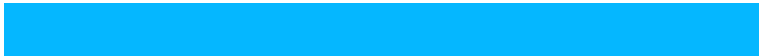
20.3446, 21.4041, 23.3091

Same Dimension

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



38.6933, 46.8326, 101.6080



35.0999, 41.2250, 100.7150



22.9443, 15.3346, 96.3583



18.0884, 19.5484, 23.0698



18.2840, 21.4777, 52.6165



1.8739, 2.2784, 5.1543

Inverse Universe

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



52.0684, 27.1558, 54.1285



49.8691, 24.8002, 47.0974



64.7113, 67.4129, 12.1881



18.5573, 18.2062, 21.5517



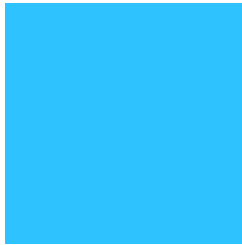
26.0171, 12.8961, 24.5385



2.5805, 1.2746, 2.6381

Previews

White Background



This preview shows how the XYZ color 38.6918, 46.8311, 101.6078 looks on a white background.

Color Contrast Check

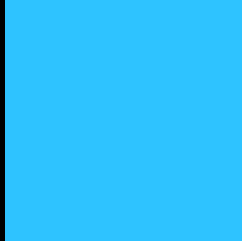
Large Text (above 18pt) WCAG AA × Fail

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 38.6918, 46.8311, 101.6078 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

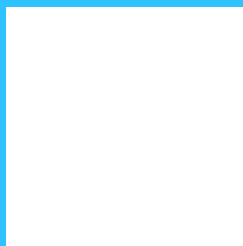
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6918, 46.8311, 101.6078

Background



This preview shows how black text looks on a background with the XYZ color 38.6918, 46.8311, 101.6078.



This preview shows how white text looks on a background with the XYZ color 38.6918, 46.8311,

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

38.6918, 46.8311, 101.6078

Protanopia

47.0517, 46.0381, 90.4108

Deuteranopia

47.3070, 46.2325, 101.0382



Tritanopia

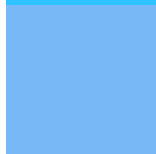
33.4110, 46.7830, 72.9147

Trichromacy



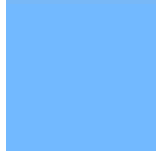
Original Color

38.6918, 46.8311, 101.6078



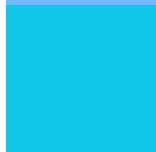
Protanomaly

41.6747, 44.9894, 94.4830



Deuteranomaly

42.3384, 45.4953, 101.1577



Tritanomaly

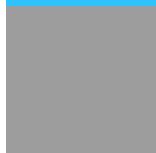
35.0784, 46.7355, 82.7733

Monochromacy



Original Color

38.6918, 46.8311, 101.6078



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

31.5247, 36.7580, 55.8856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6918, 46.8311, 101.6078 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(46, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 195, 255)  
}
```

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(46, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.6918, 46.8311, 101.6078 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(46, 195, 255) }
```


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

```
.border{ border-color:rgb(46, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 195,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6918, 46.8311, 101.6078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 195, 255) }
```

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

```
.background{ background-color: rgb(46, 195,  
255) }
```

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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