

Converting Colors

XYZ(52.4628, 48.4795,
172.6386)

Have a look what the booklet for
XYZ(52.4628, 48.4795, 172.6386)
contains.

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Color

**XYZ(38.8212, 43.0654,
100.8741)**

Conversions

Conversions Part 1

Format	Color
Hex	56B7FF
RGB	86, 183, 255
RGB Percent	34%, 72%, 100%
CMY	0.6627, 0.2823, 0.0000
CMYK	0.66, 0.28, 0.00, 0.00
HSL	206°, 100%, 67%
HSV	206°, 66%, 100%
XYZ	38.8212, 43.0654, 100.8741
YIQ	162.2050, -80.9240, 1.8280

Conversions

Conversions Part 2

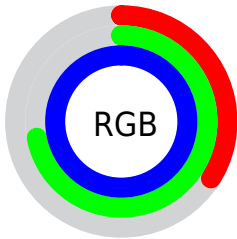
Format	Color
R _Y B	86, 148, 255
Decimal	5683199
CIE Lab	71.60, -6.61, -43.94
CIE LCh	72, 44.431, 261.449
Yxy	43.0654, 0.2124, 0.2356
Android (android.graphics.Color)	4283873279 (0xFF56B7FF)
YUV	162.2050, 45.7479, -66.8318
Hunter-Lab	65.6242, -9.2475, -45.2005

Details

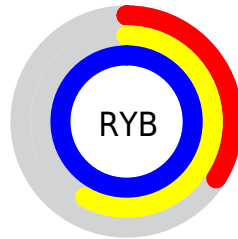
The XYZ color **38.8212, 43.0654, 100.8741** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **55.1482, 46.3882, 14.8533**, and the grayscale version is **34.2600, 36.0441, 39.2521**.

A 20% lighter version of the original color is **61.6790, 75.5323, 105.9361**, and **18.1757, 20.0425, 56.3367** is the 20% darker color. If you saturate the color by 10%, you get **34.7232, 37.7543, 100.0649**, and if you desaturate by 10%, it is **43.9319, 49.1568, 101.7805**.

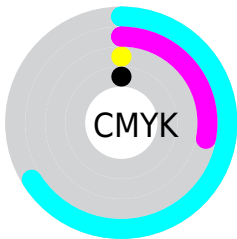
Distribution



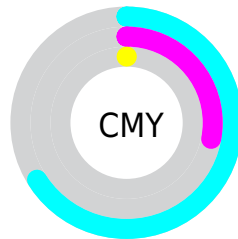
- Red (34%)
- Green (72%)
- Blue (100%)



- Red (34%)
- Yellow (58%)
- Blue (100%)



- Cyan (66%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8212, 43.0654, 100.8741 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 38.8212, 43.0654, 100.8741 by changing the saturation by 10% instead.

■ 38.8212, 43.0654,
100.8741

■ 38.8212, 43.0654,
100.8741

332.3500,
358.8807, 584.2621

■ 26.8008, 29.9364,
76.4098

■ 72.6609, 79.8095,
164.4202

■ 17.5595, 19.7903,
56.2599

■ 95.2109, 104.1935,
204.3391

■ 10.7319, 12.2427,
40.0060

■ 122.0014,
133.0979, 250.2466

■ 5.9528, 6.9092,
27.2294

■ 153.3979,
166.9072, 302.5612

■ 2.8568, 3.4054,
17.5116

189.7656,
206.0057, 361.7016

■ 1.0785, 1.3469,
10.4341

231.4700,

■ 0.0070, 0.1771,

250.7779, 428.0861

5.5784

278.8763,
301.6080, 502.1335

■ 0.0000, 0.0000,
2.5258

■ 0.0000, 0.0000,
0.8538

■ 38.8212, 43.0654,
100.8741

■ 38.8212, 43.0654,
100.8741

■ 34.7232, 37.7543,
100.0649

■ 43.9319, 49.1568,
101.7805

■ 31.5363, 33.1631,
99.3467

■ 50.1350, 56.0731,
102.7885

■ 29.1409, 29.2251,
98.7129

■ 57.5062, 63.8592,
103.9029

■ 28.3842, 27.8884,
98.4947

■ 66.1127, 72.5553,
105.1278

■ 76.0164, 82.1981,
106.4671

■ 87.2748, 92.8224,
107.9244

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.



32.5713, 43.0654, 87.2721



38.8212, 43.0654, 100.8741



46.4470, 43.0654, 96.9174

Triad

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



38.8212, 43.0654, 100.8741



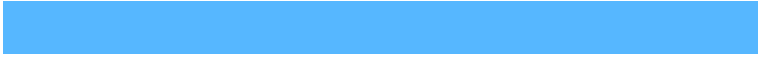
55.9083, 43.0654, 33.3276



30.6398, 43.0654, 25.5397

Complementary

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



38.8212, 43.0654, 100.8741



55.1482, 46.3882, 14.8533

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.



35.8725, 43.0654, 17.9573



38.8212, 43.0654, 100.8741



50.6143, 43.0654, 21.4016

Square

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



38.8212, 43.0654, 100.8741



56.9490, 43.0654, 53.3172



43.1187, 43.0654, 16.7181



28.2413, 43.0654, 41.0029

Rectangle

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



38.8212, 43.0654, 100.8741



51.2620, 43.0654, 85.2522



43.1187, 43.0654, 16.7181



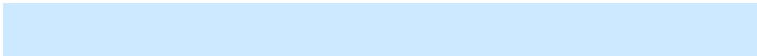
32.0929, 43.0654, 22.2091

Sweetspot

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



38.8226, 43.0668, 100.8743



72.1677, 78.4891, 105.9540



45.6352, 75.9135, 43.8878



14.8522, 16.2206, 22.5980



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.



38.8226, 43.0668, 100.8743



33.4339, 35.9611, 99.7868



26.4546, 18.3309, 96.7516



17.8687, 19.1090, 22.9966



14.9825, 14.8746, 51.5160



1.5672, 1.6651, 5.0521

Inverse Universe

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



53.1160, 31.3361, 48.0500



49.4998, 26.4580, 39.5861



74.3510, 84.7938, 21.2542



18.4464, 18.1619, 20.9678



24.3507, 12.2296, 15.7630



2.4256, 1.2126, 1.8229

Previews

White Background



This preview shows how the XYZ color 38.8212, 43.0654, 100.8741 looks on a white background.

Color Contrast Check

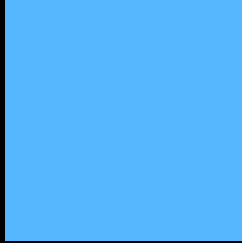
Large Text (above 18pt) WCAG AA × Fail

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 38.8212, 43.0654, 100.8741 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

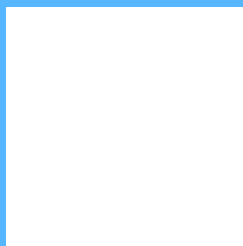
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8212, 43.0654, 100.8741

Background



This preview shows how black text looks on a background with the XYZ color 38.8212, 43.0654, 100.8741.



This preview shows how white text looks on a background with the XYZ color 38.8212, 43.0654,

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

38.8212, 43.0654, 100.8741

Protanopia

44.1496, 42.7382, 93.1111

Deuteranopia

43.8088, 42.6826, 100.5373



Tritanopia

31.9797, 43.1529, 66.3183

Trichromacy



Original Color

38.8212, 43.0654, 100.8741

Protanomaly

41.3766, 42.4022, 95.6262

Deuteranomaly

41.5179, 42.6574, 100.6532

Tritanomaly

34.1721, 43.0604, 77.7446

Monochromacy



Original Color

38.8212, 43.0654, 100.8741

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.1700, 37.8033, 57.7204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8212, 43.0654, 100.8741 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(86, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 183, 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(86, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.8212, 43.0654, 100.8741 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(86, 183, 255) }
```


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

```
.border{ border-color:rgb(86, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8212, 43.0654, 100.8741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 183, 255) }
```

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

```
.background{ background-color: rgb(86, 183,  
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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