

Converting Colors

XYZ(38.1279, 42.8921,
100.8772)

Have a look what the booklet for
XYZ(38.1279, 42.8921, 100.8772)
contains.

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Color

**XYZ(38.2511, 43.0788,
100.9067)**

Conversions

Conversions Part 1

Format	Color
Hex	4DB8FF
RGB	77, 184, 255
RGB Percent	30%, 72%, 100%
CMY	0.6980, 0.2784, 0.0000
CMYK	0.70, 0.28, 0.00, 0.00
HSL	204°, 100%, 65%
HSV	204°, 70%, 100%
XYZ	38.2511, 43.0788, 100.9067
YIQ	160.1010, -86.5630, -0.6030

Conversions

Conversions Part 2

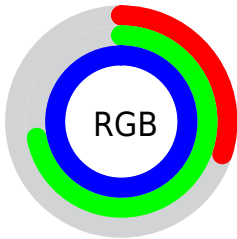
Format	Color
R _Y B	77, 144, 255
Decimal	5093631
CIE Lab	71.61, -8.47, -43.94
CIE LCh	72, 44.752, 259.089
Yxy	43.0788, 0.2099, 0.2364
Android (android.graphics.Color)	4283283711 (0xFF4DB8FF)
YUV	160.1010, 46.7852, -72.8796
Hunter-Lab	65.6344, -10.8322, -45.2086

Details

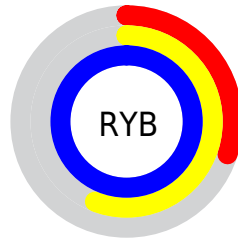
The XYZ color **38.2511, 43.0788, 100.9067** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **53.1714, 42.9788, 12.5167**, and the grayscale version is **33.2820, 35.0152, 38.1316**.

A 20% lighter version of the original color is **60.7117, 75.4695, 105.9750**, and **18.3093, 20.3098, 56.3813** is the 20% darker color. If you saturate the color by 10%, you get **34.5445, 38.1439, 100.1496**, and if you desaturate by 10%, it is **42.9182, 48.7359, 101.7527**.

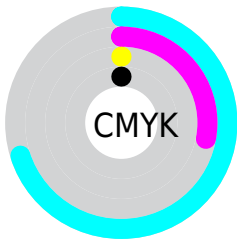
Distribution



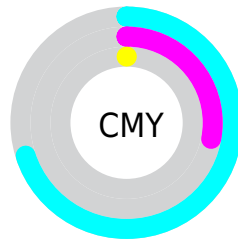
- Red (30%)
- Green (72%)
- Blue (100%)



- Red (30%)
- Yellow (56%)
- Blue (100%)



- Cyan (70%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2511, 43.0788, 100.9067 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 38.2511, 43.0788, 100.9067 by changing the saturation by 10% instead.

■ 38.2511, 43.0788,
100.9067

■ 38.2511, 43.0788,
100.9067

329.9582,
358.9357, 584.3672

■ 26.3557, 29.9469,
76.4369

■ 71.7943, 79.8298,
164.4654

■ 17.2240, 19.7983,
56.2820

■ 94.1728, 104.2177,
204.3913

■ 10.4906, 12.2485,
40.0236

■ 120.7764,
133.1264, 250.3063

■ 5.7902, 6.9132,
27.2430

■ 151.9704,
166.9403, 302.6290

■ 2.7574, 3.4079,
17.5218

188.1203,
206.0437, 361.7779

■ 1.0268, 1.3482,
10.4413

229.5913,

■ 0.0000, 0.1781,

250.8212, 428.1716

5.5831

276.7488,
301.6571, 502.2285

■ 0.0000, 0.0000,
2.5286

■ 0.0000, 0.0000,
0.8553

■ 38.2511, 43.0788,
100.9067

■ 38.2511, 43.0788,
100.9067

■ 34.5445, 38.1439,
100.1496

■ 42.9182, 48.7359,
101.7527

■ 31.6908, 33.8688,
99.4748

■ 48.6290, 55.1604,
102.6917

■ 29.5275, 30.1656,
98.8740

■ 55.4615, 62.3977,
103.7286

■ 29.4876, 30.0952,
98.8625

■ 63.4844, 70.4876,
104.8672

■ 72.7609, 79.4668,
106.1115

■ 83.3492, 89.3695,
107.4648

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.



32.1326, 43.0788, 85.9934



38.2511, 43.0788, 100.9067



45.8928, 43.0788, 98.3637

Triad

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



38.2511, 43.0788, 100.9067



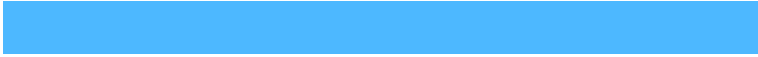
56.2999, 43.0788, 34.5493



30.8997, 43.0788, 24.5578

Complementary

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



38.2511, 43.0788, 100.9067



53.1714, 42.9788, 12.5167

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.



36.3664, 43.0788, 17.5087



38.2511, 43.0788, 100.9067



51.2373, 43.0788, 21.9266

Square

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



38.2511, 43.0788, 100.9067



56.9670, 43.0788, 55.2474



43.7627, 43.0788, 16.7229



28.2499, 43.0788, 39.4486

Rectangle

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



38.2511, 43.0788, 100.9067



50.8268, 43.0788, 87.2757



43.7627, 43.0788, 16.7229



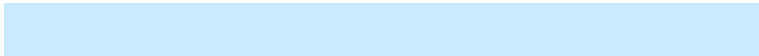
32.4351, 43.0788, 21.4175

Sweetspot

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



38.2525, 43.0802, 100.9069



71.5788, 78.3405, 105.9564



43.9510, 75.1500, 39.0744



14.7542, 16.2245, 22.6040



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.



38.2525, 43.0802, 100.9069



33.2484, 36.2712, 99.8564



25.4584, 17.4920, 96.6422



17.9113, 19.1943, 23.0108



15.5579, 16.0255, 51.7078



1.6217, 1.7742, 5.0702

Inverse Universe

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



52.5467, 30.0302, 48.3756



49.2400, 25.7176, 40.1800



72.0697, 80.7754, 18.8161



18.4679, 18.1705, 21.0811



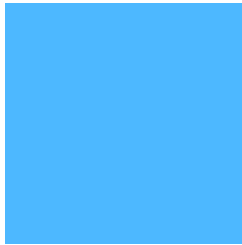
24.6411, 12.3457, 17.2925



2.4532, 1.2236, 1.9679

Previews

White Background



This preview shows how the XYZ color 38.2511, 43.0788, 100.9067 looks on a white background.

Color Contrast Check

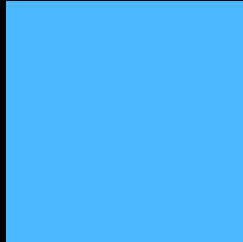
Large Text (above 18pt) WCAG AA × Fail

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 38.2511, 43.0788, 100.9067 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

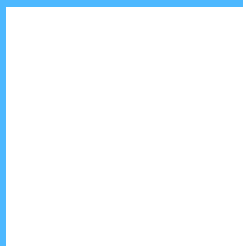
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2511, 43.0788, 100.9067

Background



This preview shows how black text looks on a background with the XYZ color 38.2511, 43.0788, 100.9067.

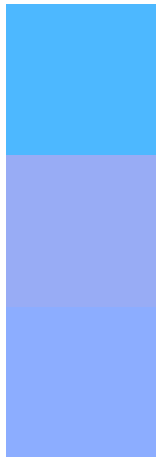


This preview shows how white text looks on a background with the XYZ color 38.2511, 43.0788,

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

38.2511, 43.0788, 100.9067

Protanopia

44.1828, 42.7730, 92.3135

Deuteranopia

43.8088, 42.6826, 100.5373



Tritanopia

31.4514, 43.2076, 66.3567

Trichromacy



Original Color

38.2511, 43.0788, 100.9067

Protanomaly

41.0817, 42.2502, 95.6124

Deuteranomaly

41.1083, 42.4462, 100.6340

Tritanomaly

33.5796, 43.0754, 77.7787

Monochromacy



Original Color

38.2511, 43.0788, 100.9067

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2442, 37.0619, 57.0313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2511, 43.0788, 100.9067 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(77, 184, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 184, 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(77, 184, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 184, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.2511, 43.0788, 100.9067 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(77, 184, 255) }
```


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

```
.border{ border-color:rgb(77, 184, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 184, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 184, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 184, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 184,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2511, 43.0788, 100.9067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 184, 255) }
```

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

```
.background{ background-color: rgb(77, 184,  
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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