

Converting Colors

XYZ(51.9044, 48.3629,
172.9910)

Have a look what the booklet for
XYZ(51.9044, 48.3629, 172.9910)
contains.

XYZ(38.1254, 42.7067, 100.8415)	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(38.1254, 42.7067,
100.8415)**

Conversions

Conversions Part 1

Format	Color
Hex	4EB7FF
RGB	78, 183, 255
RGB Percent	31%, 72%, 100%
CMY	0.6941, 0.2823, 0.0000
CMYK	0.69, 0.28, 0.00, 0.00
HSL	204°, 100%, 65%
HSV	204°, 69%, 100%
XYZ	38.1254, 42.7067, 100.8415
YIQ	159.8130, -85.6920, 0.1320

Conversions

Conversions Part 2

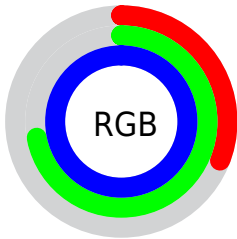
Format	Color
R _Y B	78, 144, 255
Decimal	5158911
CIE Lab	71.36, -7.78, -44.34
CIE LCh	71, 45.015, 260.041
Yxy	42.7067, 0.2099, 0.2351
Android (android.graphics.Color)	4283348991 (0xFF4EB7FF)
YUV	159.8130, 46.9272, -71.7500
Hunter-Lab	65.3504, -10.2262, -45.7446

Details

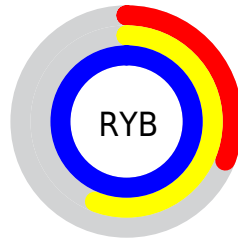
The XYZ color **38.1254, 42.7067, 100.8415** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **53.5234, 43.6259, 12.8096**, and the grayscale version is **33.1487, 34.8751, 37.9789**.

A 20% lighter version of the original color is **60.5936, 74.9727, 105.8853**, and **18.1757, 20.0425, 56.3367** is the 20% darker color. If you saturate the color by 10%, you get **34.3652, 37.7088, 100.0750**, and if you desaturate by 10%, it is **42.8555, 48.4401, 101.6989**.

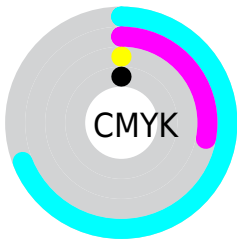
Distribution



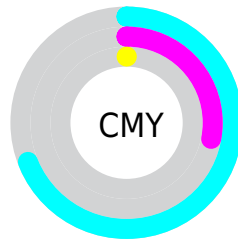
- Red (31%)
- Green (72%)
- Blue (100%)



- Red (31%)
- Yellow (56%)
- Blue (100%)



- Cyan (69%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1254, 42.7067, 100.8415 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 38.1254, 42.7067, 100.8415 by changing the saturation by 10% instead.

■ 38.1254, 42.7067,
100.8415

■ 38.1254, 42.7067,
100.8415

329.4292,
357.4042, 584.1569

■ 26.2577, 29.6551,
76.3827

■ 71.6030, 79.2681,
164.3751

■ 17.1502, 19.5769,
56.2378

■ 93.9435, 103.5466,
204.2869

■ 10.4376, 12.0879,
39.9884

■ 120.5057,
132.3362, 250.1869

■ 5.7545, 6.8036,
27.2158

■ 151.6550,
166.0213, 302.4934

■ 2.7356, 3.3395,
17.5015

187.7566,
204.9862, 361.6252

■ 1.0156, 1.3115,
10.4269

229.1759,

■ 0.0000, 0.1501,

249.6154, 428.0007

5.5736

276.2783,
300.2933, 502.0384

■ 0.0000, 0.0000,
2.5231

■ 0.0000, 0.0000,
0.8523

■ 38.1254, 42.7067,
100.8415

■ 38.1254, 42.7067,
100.8415

■ 34.3652, 37.7088,
100.0750

■ 42.8555, 48.4401,
101.6989

■ 31.4677, 33.3840,
99.3930

■ 48.6382, 54.9544,
102.6515

■ 29.2781, 29.6481,
98.7873

■ 55.5515, 62.2952,
103.7041

■ 29.1597, 29.4394,
98.7532

■ 63.6641, 70.5026,
104.8606

■ 73.0389, 79.6134,
106.1251

■ 83.7343, 89.6620,
107.5010

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.



31.9410, 42.7067, 86.3400



38.1254, 42.7067, 100.8415



45.7877, 42.7067, 97.6973

Triad

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



38.1254, 42.7067, 100.8415



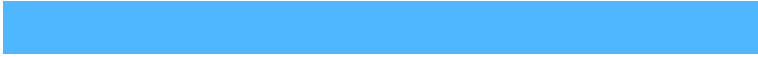
55.8619, 42.7067, 33.6254



30.4237, 42.7067, 24.5339

Complementary

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



38.1254, 42.7067, 100.8415



53.5234, 43.6259, 12.8096

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.



35.8039, 42.7067, 17.2996



38.1254, 42.7067, 100.8415



50.6777, 42.7067, 21.3039

Square

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



38.1254, 42.7067, 100.8415



56.6852, 42.7067, 54.0901



43.1616, 42.7067, 16.3370



27.8745, 42.7067, 39.6560

Rectangle

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



38.1254, 42.7067, 100.8415



50.6963, 42.7067, 86.2817



43.1616, 42.7067, 16.3370



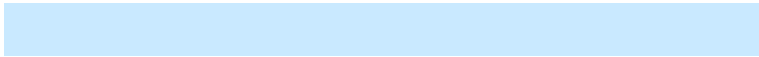
31.9273, 42.7067, 21.3268

Sweetspot

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



38.1268, 42.7081, 100.8417



71.4587, 78.1003, 105.9163



44.3123, 75.3040, 40.5527



14.7256, 16.1672, 22.5944



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.



38.1268, 42.7081, 100.8417



33.2308, 36.0807, 99.8206



25.3493, 17.1532, 96.5826



17.8989, 19.1694, 23.0066



15.3871, 15.6837, 51.6509



1.6056, 1.7419, 5.0649

Inverse Universe

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



52.5127, 30.1294, 47.8488



49.2689, 25.8742, 39.8854



72.9870, 82.5531, 19.2974



18.4616, 18.1680, 21.0481



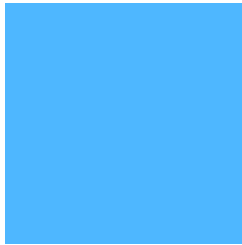
24.5549, 12.3112, 16.8383



2.4450, 1.2204, 1.9250

Previews

White Background



This preview shows how the XYZ color 38.1254, 42.7067, 100.8415 looks on a white background.

Color Contrast Check

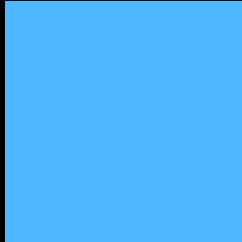
Large Text (above 18pt) WCAG AA × Fail

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 38.1254, 42.7067, 100.8415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

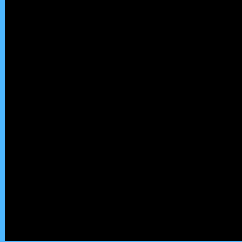
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

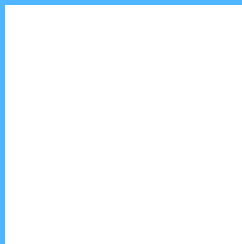
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1254, 42.7067, 100.8415

Background



This preview shows how black text looks on a background with the XYZ color 38.1254, 42.7067, 100.8415.



This preview shows how white text looks on a background with the XYZ color 38.1254, 42.7067,

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

38.1254, 42.7067, 100.8415

Protanopia

43.6220, 42.2024, 92.2330

Deuteranopia

43.4748, 42.5104, 100.5217



Tritanopia

31.2735, 42.7888, 66.2853

Trichromacy



Original Color

38.1254, 42.7067, 100.8415

Protanomaly

40.7410, 41.7846, 95.5405

Deuteranomaly

40.9746, 42.3773, 100.6278

Tritanomaly

33.4191, 42.6722, 77.7093

Monochromacy



Original Color

38.1254, 42.7067, 100.8415

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.0589, 36.6912, 56.9695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1254, 42.7067, 100.8415 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(78, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.1254, 42.7067, 100.8415 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(78, 183, 255) }
```


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

```
.border{ border-color:rgb(78, 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(78, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(78, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1254, 42.7067, 100.8415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 183, 255) }
```

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

```
.background{ background-color: rgb(78, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor