

Converting Colors

XYZ(38.2401, 46.9797, 90.7935)

Have a look what the booklet for
XYZ(38.2401, 46.9797, 90.7935)
contains.

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Color

**XYZ(38.2146, 46.8187,
91.0272)**

Conversions

Conversions Part 1

Format	Color
Hex	48C3F2
RGB	72, 195, 242
RGB Percent	28%, 76%, 95%
CMY	0.7176, 0.2353, 0.0510
CMYK	0.70, 0.19, 0.00, 0.05
HSL	197°, 87%, 62%
HSV	197°, 70%, 95%
XYZ	38.2146, 46.8187, 91.0272
YIQ	163.5810, -88.3950, -11.4590

Conversions

Conversions Part 2

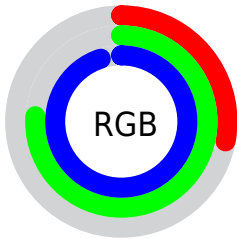
Format	Color
R _Y B	72, 143, 242
Decimal	4768754
CIE Lab	74.07, -19.21, -33.11
CIE LCh	74, 38.280, 239.872
Yxy	46.8187, 0.2171, 0.2659
Android (android.graphics.Color)	4282958834 (0xFF48C3F2)
YUV	163.5810, 38.6606, -80.3165
Hunter-Lab	68.4242, -20.0509, -30.9787

Details

The XYZ color **38.2146, 46.8187, 91.0272** 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 **44.3864, 32.5415, 10.0745**, and the grayscale version is **34.9422, 36.7620, 40.0338**.

A 20% lighter version of the original color is **63.5079, 82.3298, 107.1518**, and **18.3878, 22.5949, 49.8465** is the 20% darker color. If you saturate the color by 10%, you get **35.2871, 43.1344, 90.4713**, and if you desaturate by 10%, it is **41.9220, 51.0064, 91.6410**.

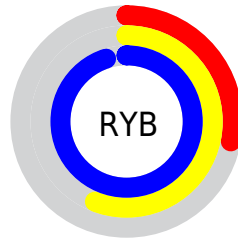
Distribution



Red (28%)

Green (76%)

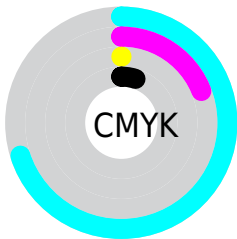
Blue (95%)



Red (28%)

Yellow (56%)

Blue (95%)

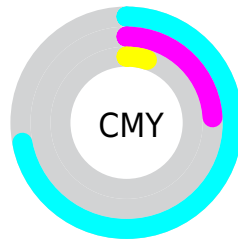


Cyan (70%)

Magenta (19%)

Yellow (0%)

Black (5%)



Cyan (72%)

Magenta (24%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2146, 46.8187, 91.0272 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 38.2146, 46.8187, 91.0272 by changing the saturation by 10% instead.

■ 38.2146, 46.8187,
91.0272

■ 38.2146, 46.8187,
91.0272

329.8046,
374.0904, 552.0227

■ 26.3273, 32.8924,
68.2544

■ 71.7387, 85.4429,
150.7124

■ 17.2026, 22.0440,
49.6368

■ 94.1062, 110.9096,
188.4618

■ 10.4752, 13.8892,
34.7557

■ 120.6978,
140.9919, 232.0406

■ 5.7798, 8.0437,
23.1927

■ 151.8788,
176.0741, 281.8672

■ 2.7511, 4.1229,
14.5292

188.0147,
216.5406, 338.3601

■ 1.0235, 1.7425,
8.3467

229.4707,

■ 0.0000, 0.4510,

262.7759, 401.9380

4.2267

276.6122,
315.1644, 473.0194

■ 0.0000, 0.0000,
1.7505

■ 0.0000, 0.0000,
0.3950

■ 38.2146, 46.8187,
91.0272

■ 38.2146, 46.8187,
91.0272

■ 35.2871, 43.1344,
90.4713

■ 41.9220, 51.0064,
91.6410

■ 33.0451, 39.9011,
89.9654

■ 46.4798, 55.7327,
92.3131

■ 31.3752, 37.1070,
89.5140

■ 51.9555, 61.0345,
93.0478

■ 58.4081, 66.9433,
93.8482

■ 65.8917, 73.4883,
94.7171

■ 74.4561, 80.6962,
95.6570

■ 84.1477, 88.5923,
96.6703

■ 90.9975, 95.1315,
97.5715

■ 93.0272, 99.1909,
98.2480

Harmonies

Analogous

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



34.0339, 46.8187, 72.1528



38.2146, 46.8187, 91.0272



44.4704, 46.8187, 98.7300

Triad

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



38.2146, 46.8187, 91.0272



59.0029, 46.8187, 51.0616



38.2605, 46.8187, 24.7783

Complementary

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



38.2146, 46.8187, 91.0272



44.3864, 32.5415, 10.0745

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.



44.5291, 46.8187, 21.8092



38.2146, 46.8187, 91.0272



56.9173, 46.8187, 34.4127

Square

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



38.2146, 46.8187, 91.0272



56.8828, 46.8187, 72.3363



51.4389, 46.8187, 24.8302



34.0585, 46.8187, 34.3008

Rectangle

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



38.2146, 46.8187, 91.0272



49.1257, 46.8187, 95.2833



51.4389, 46.8187, 24.8302



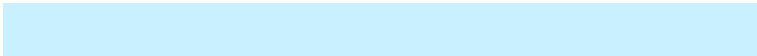
40.1737, 46.8187, 23.1087

Sweetspot

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



38.2162, 46.8204, 91.0284



73.4759, 82.1348, 106.5887



37.6568, 66.1755, 27.7237



15.2076, 17.1312, 22.7551



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.



38.2162, 46.8204, 91.0284



38.6464, 47.0672, 101.6557



24.4590, 19.3059, 86.4426



15.8564, 17.1469, 20.1956



16.9753, 20.1748, 48.1273



1.4951, 1.8441, 4.0314

Inverse Universe

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



48.7871, 27.4539, 54.3590



51.9646, 26.8075, 54.5278



58.9881, 61.7448, 14.9418



16.2570, 15.9525, 18.9094



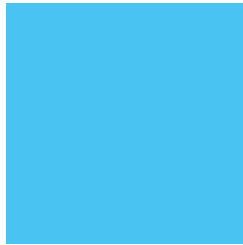
23.8940, 11.8300, 23.1559



2.0296, 1.0009, 2.1467

Previews

White Background



This preview shows how the XYZ color 38.2146, 46.8187, 91.0272 looks on a white background.

Color Contrast Check

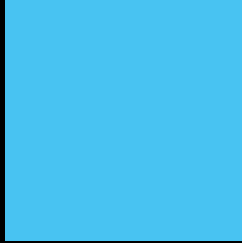
Large Text (above 18pt) WCAG AA × Fail

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 38.2146, 46.8187, 91.0272 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

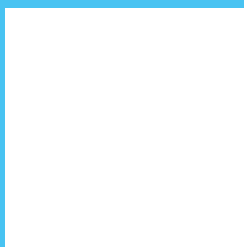
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2146, 46.8187, 91.0272

Background



This preview shows how black text looks on a background with the XYZ color 38.2146, 46.8187, 91.0272.

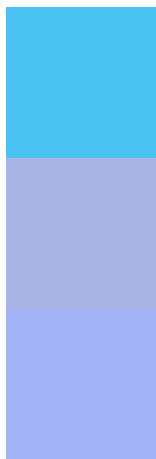


This preview shows how white text looks on a background with the XYZ color 38.2146, 46.8187,

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

38.2146, 46.8187, 91.0272

Protanopia

46.5515, 46.2782, 81.3420

Deuteranopia

47.4552, 46.1760, 93.6005



Tritanopia

34.5703, 47.0507, 72.2254

Trichromacy



Original Color

38.2146, 46.8187, 91.0272

Protanomaly

41.8731, 45.6250, 84.4415

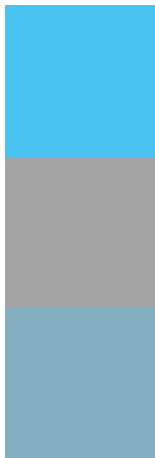
Deuteranomaly

42.6752, 45.5407, 92.9272

Tritanomaly

35.7092, 46.8165, 78.3886

Monochromacy



Original Color

38.2146, 46.8187, 91.0272

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.2045, 39.2910, 55.6503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2146, 46.8187, 91.0272 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(72, 195, 242)` looks like.

```
.text, #text, p{  
    color:rgb(72, 195, 242)  
}
```

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(72, 195, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 195, 242) }
```

Border

The CSS property to change the border of an element to XYZ 38.2146, 46.8187, 91.0272 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(72, 195, 242) }
```


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

```
.border{ border-color:rgb(72, 195, 242) }
```

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

Here you see how a box with a 4 pixel rgb(72, 195, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 195, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 195, 242);  
box-shadow:4px 4px 4px 4px rgb(72, 195,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2146, 46.8187, 91.0272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 195, 242) }
```

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

```
.background{ background-color: rgb(72, 195,  
242) }
```

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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