

Converting Colors

XYZ(38.1059, 47.1012, 80.8765)

Have a look what the booklet for
XYZ(38.1059, 47.1012, 80.8765)
contains.

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Color

**XYZ(38.0716, 46.9627,
81.1869)**

Conversions

Conversions Part 1

Format	Color
Hex	5CC3E5
RGB	92, 195, 229
RGB Percent	36%, 76%, 90%
CMY	0.6392, 0.2353, 0.1020
CMYK	0.60, 0.15, 0.00, 0.10
HSL	195°, 72%, 63%
HSV	195°, 60%, 90%
XYZ	38.0716, 46.9627, 81.1869
YIQ	168.0790, -72.3020, -11.2620

Conversions

Conversions Part 2

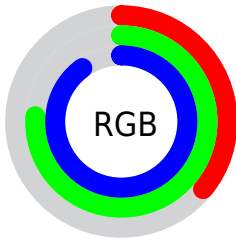
Format	Color
R _Y B	92, 151, 229
Decimal	6079461
CIE Lab	74.17, -20.07, -25.90
CIE LCh	74, 32.768, 232.225
Yxy	46.9627, 0.2290, 0.2825
Android (android.graphics.Color)	4284269541 (0xFF5CC3E5)
YUV	168.0790, 30.0341, -66.7213
Hunter-Lab	68.5293, -20.7603, -22.2705

Details

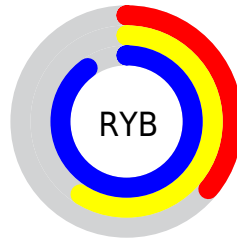
The XYZ color **38.0716, 46.9627, 81.1869** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **41.7071, 32.3541, 14.1735**, and the grayscale version is **37.1424, 39.0767, 42.5546**.

A 20% lighter version of the original color is **65.9973, 83.6131, 107.2683**, and **17.0677, 22.0669, 42.8949** is the 20% darker color. If you saturate the color by 10%, you get **34.8713, 43.4593, 80.6802**, and if you desaturate by 10%, it is **42.0146, 50.9229, 81.7444**.

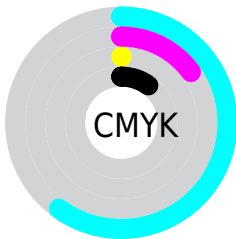
Distribution



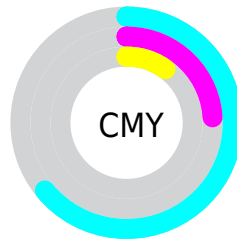
- Red (36%)
- Green (76%)
- Blue (90%)



- Red (36%)
- Yellow (59%)
- Blue (90%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (64%)
- Magenta (24%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0716, 46.9627, 81.1869 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 38.0716, 46.9627, 81.1869 by changing the saturation by 10% instead.

■ 38.0716, 46.9627,
81.1869

■ 38.0716, 46.9627,
81.1869

329.2026,
374.6656, 518.7357

■ 26.2157, 33.0062,
60.1636

■ 71.5211, 85.6579,
136.8596

■ 17.1186, 22.1312,
43.1244

■ 93.8454, 111.1654,
172.3461

■ 10.4149, 13.9533,
29.6506

■ 120.3898,
141.2921, 213.4908

■ 5.7393, 8.0882,
19.3237

■ 151.5199,
176.4222, 260.7122

■ 2.7264, 4.1514,
11.7253

187.6008,
216.9402, 314.4289

■ 1.0108, 1.7586,
6.4366

228.9980,

■ 0.0000, 0.4612,

263.2305, 375.0593

3.0393

276.0768,
315.6775, 443.0221

■ 0.0000, 0.0000,
1.1147

■ 0.0000, 0.0000,
0.0000

■ 38.0716, 46.9627,
81.1869

■ 38.0716, 46.9627,
81.1869

■ 34.8713, 43.4593,
80.6802

■ 42.0146, 50.9229,
81.7444

■ 32.3442, 40.3731,
80.2177

■ 46.7527, 55.3647,
82.3520

■ 30.4146, 37.6653,
79.7968

■ 52.3387, 60.3171,
83.0135

■ 28.9521, 35.2679,
79.4111

■ 58.8192, 65.8050,
83.7312

■ 28.9278, 35.2268,
79.4045

■ 66.2375, 71.8513,
84.5073

■ 74.6339, 78.4775,
85.3437

■ 84.0464, 85.7040,
86.2425

■ 86.6812, 89.5136,
86.8389

■ 88.3850, 92.9211,
87.4068

Harmonies

Analogous

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



34.9796, 46.9627, 64.3656



38.0716, 46.9627, 81.1869



43.1265, 46.9627, 90.3284

Triad

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



38.0716, 46.9627, 81.1869



56.7837, 46.9627, 55.6349



40.5009, 46.9627, 26.6626

Complementary

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



38.0716, 46.9627, 81.1869



41.7071, 32.3541, 14.1735

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.



46.1816, 46.9627, 25.3221



38.0716, 46.9627, 81.1869



55.9251, 46.9627, 39.8533

Square

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



38.0716, 46.9627, 81.1869



54.1687, 46.9627, 73.6091



51.9161, 46.9627, 29.5981



36.2941, 46.9627, 33.7746

Rectangle

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



38.0716, 46.9627, 81.1869



47.0702, 46.9627, 89.6929



51.9161, 46.9627, 29.5981



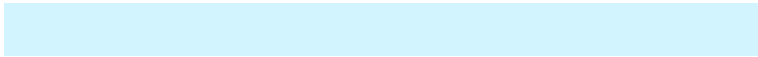
42.2884, 46.9627, 25.5959

Sweetspot

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



38.0731, 46.9644, 81.1880



76.6059, 85.2561, 107.0263



36.0703, 59.7695, 28.6951



15.8398, 17.7863, 22.8482



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.



38.0731, 46.9644, 81.1880



43.5854, 54.3897, 102.8088



26.3470, 23.5121, 77.2793



14.4886, 15.6987, 18.4108



16.6391, 20.3403, 45.4323



1.3017, 1.6473, 3.3813

Inverse Universe

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



45.9919, 28.2540, 54.6610



55.0814, 30.4426, 63.5776



53.1984, 55.3368, 18.0040



14.8342, 14.5509, 17.3275



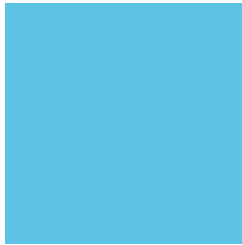
22.7922, 11.2511, 23.5983



1.7207, 0.8460, 1.9355

Previews

White Background



This preview shows how the XYZ color 38.0716, 46.9627, 81.1869 looks on a white background.

Color Contrast Check

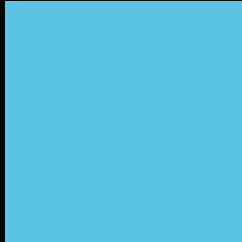
Large Text (above 18pt) WCAG AA × Fail

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 38.0716, 46.9627, 81.1869 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 38.0716, 46.9627, 81.1869

Background



This preview shows how black text looks on a background with the XYZ color 38.0716, 46.9627, 81.1869.

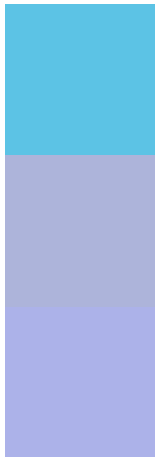


This preview shows how white text looks on a background with the XYZ color 38.0716, 46.9627,

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

38.0716, 46.9627, 81.1869

Protanopia

46.2097, 46.5887, 72.8867

Deuteranopia

47.6416, 46.4946, 83.5542



Tritanopia

36.0780, 47.1745, 70.8224

Trichromacy



Original Color

38.0716, 46.9627, 81.1869

Protanomaly

42.0354, 45.9011, 75.7515

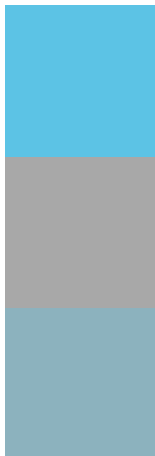
Deuteranomaly

43.0337, 45.9468, 82.9444

Tritanomaly

36.7769, 47.1217, 74.1749

Monochromacy



Original Color

38.0716, 46.9627, 81.1869

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.0299, 41.1339, 54.7559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0716, 46.9627, 81.1869 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(92, 195, 229)` looks like.

```
.text, #text, p{  
    color:rgb(92, 195, 229)  
}
```

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(92, 195, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 195, 229) }
```

Border

The CSS property to change the border of an element to XYZ 38.0716, 46.9627, 81.1869 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(92, 195, 229) }
```


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

```
.border{ border-color:rgb(92, 195, 229) }
```

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

Here you see how a box with a 4 pixel rgb(92, 195, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 195, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 195, 229);  
box-shadow:4px 4px 4px 4px rgb(92, 195,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0716, 46.9627, 81.1869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 195, 229) }
```

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

```
.background{ background-color: rgb(92, 195,  
229) }
```

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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