

Converting Colors

XYZ(38.9827, 46.7774, 95.7813)

Have a look what the booklet for
XYZ(38.9827, 46.7774, 95.7813)
contains.

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Color

**XYZ(38.9827, 46.7774,
95.7813)**

Conversions

Conversions Part 1

Format	Color
Hex	49C2F8
RGB	73, 194, 248
RGB Percent	29%, 76%, 97%
CMY	0.7137, 0.2392, 0.0274
CMYK	0.71, 0.22, 0.00, 0.03
HSL	199°, 93%, 63%
HSV	199°, 71%, 97%
XYZ	38.9827, 46.7774, 95.7813
YIQ	163.9770, -89.4500, -8.8580

Conversions

Conversions Part 2

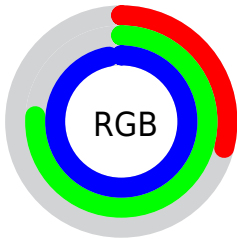
Format	Color
R _Y B	73, 145, 248
Decimal	4834040
CIE Lab	74.05, -16.64, -36.38
CIE LCh	74, 40.006, 245.416
Yxy	46.7774, 0.2147, 0.2577
Android (android.graphics.Color)	4283024120 (0xFF49C2F8)
YUV	163.9770, 41.4233, -79.7868
Hunter-Lab	68.3940, -17.9494, -35.1559

Details

The XYZ color **38.9827, 46.7774, 95.7813** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.5053, 35.6190, 10.6765**, and the grayscale version is **35.1175, 36.9463, 40.2345**.

A 20% lighter version of the original color is **63.5317, 81.8771, 107.0631**, and **18.7821, 22.5178, 52.6467** is the 20% darker color. If you saturate the color by 10%, you get **35.8051, 42.6763, 95.1581**, and if you desaturate by 10%, it is **42.9999, 51.4431, 96.4711**.

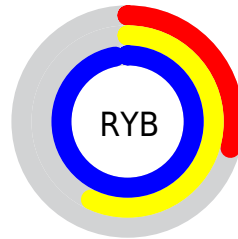
Distribution



Red (29%)

Green (76%)

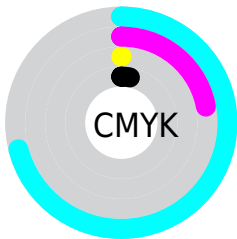
Blue (97%)



Red (29%)

Yellow (57%)

Blue (97%)

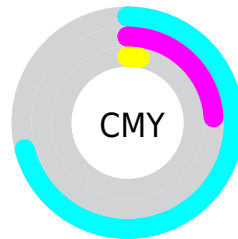


Cyan (71%)

Magenta (22%)

Yellow (0%)

Black (3%)



Cyan (71%)

Magenta (24%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9827, 46.7774, 95.7813 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 38.9827, 46.7774, 95.7813 by changing the saturation by 10% instead.

■ 38.9827, 46.7774,
95.7813

■ 38.9827, 46.7774,
95.7813

333.0254,
373.9253, 567.7113

■ 26.9269, 32.8597,
72.1849

■ 72.9061, 85.3813,
157.3484

■ 17.6547, 22.0190,
52.8220

■ 95.5045, 110.8362,
196.1563

■ 10.8005, 13.8709,
37.2739

■ 122.3478,
140.9057, 240.8717

■ 5.9992, 8.0309,
25.1222

■ 153.8013,
175.9742, 291.9132

■ 2.8852, 4.1147,
15.9483

190.2305,
216.4260, 349.6994

■ 1.0934, 1.7379,
9.3336

232.0007,

■ 0.0196, 0.4480,

262.6455, 414.6488

4.8596

279.4772,
315.0171, 487.1799

■ 0.0000, 0.0000,
2.1079

■ 0.0000, 0.0000,
0.6204

■ 38.9827, 46.7774,
95.7813

■ 38.9827, 46.7774,
95.7813

■ 35.8051, 42.6763,
95.1581

■ 42.9999, 51.4431,
96.4711

■ 33.3657, 39.0833,
94.5932

■ 47.9325, 56.7121,
97.2281

■ 31.5959, 36.0823,
94.1072

■ 53.8528, 62.6242,
98.0572

■ 60.8241, 69.2139,
98.9617

■ 68.9041, 76.5127,
99.9447

■ 78.1463, 84.5500,
101.0089

■ 88.6004, 93.3531,
102.1571

■ 93.9435, 99.5574,
103.0730

Harmonies

Analogous

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



34.1712, 46.7774, 77.3262



38.9827, 46.7774, 95.7813



45.7707, 46.7774, 101.0449

Triad

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



38.9827, 46.7774, 95.7813



59.5995, 46.7774, 47.3062



36.9600, 46.7774, 25.1117

Complementary

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



38.9827, 46.7774, 95.7813



47.5053, 35.6190, 10.6765

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.



43.1756, 46.7774, 20.9309



38.9827, 46.7774, 95.7813



56.6321, 46.7774, 31.3534

Square

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



38.9827, 46.7774, 95.7813



58.1705, 46.7774, 69.1318



50.4289, 46.7774, 22.8631



33.0940, 46.7774, 36.2455

Rectangle

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



38.9827, 46.7774, 95.7813



50.6257, 46.7774, 95.4140



50.4289, 46.7774, 22.8631



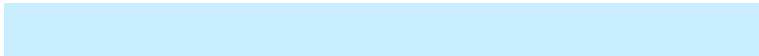
38.8173, 46.7774, 23.0050

Sweetspot

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



38.9843, 46.7790, 95.7825



72.9717, 81.1263, 106.4207



40.0504, 70.0461, 30.9819



15.0869, 16.8898, 22.7148



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.



38.9843, 46.7790, 95.7825



36.8665, 43.6526, 101.0905



25.0554, 18.9213, 91.1395



17.2875, 18.6517, 22.0743



17.1982, 19.7520, 50.8796



1.6869, 2.0174, 4.7437

Inverse Universe

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



50.8330, 28.6183, 53.8852



51.0307, 26.2981, 50.0286



63.7098, 68.0279, 16.0780



17.7516, 17.4280, 20.5478



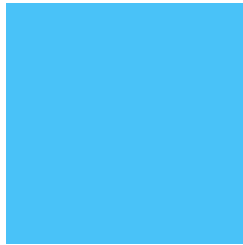
24.9729, 12.4049, 22.3634



2.3604, 1.1679, 2.3212

Previews

White Background



This preview shows how the XYZ color 38.9827, 46.7774, 95.7813 looks on a white background.

Color Contrast Check

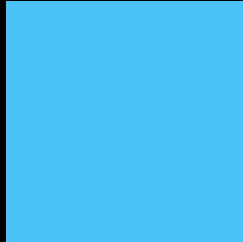
Large Text (above 18pt) WCAG AA × Fail

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 38.9827, 46.7774, 95.7813 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

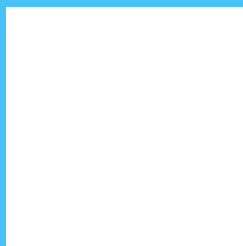
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9827, 46.7774, 95.7813

Background



This preview shows how black text looks on a background with the XYZ color 38.9827, 46.7774, 95.7813.

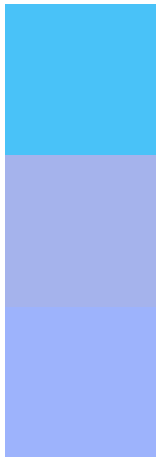


This preview shows how white text looks on a background with the XYZ color 38.9827, 46.7774,

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

38.9827, 46.7774, 95.7813

Protanopia

46.7775, 46.2957, 85.8274

Deuteranopia

47.5954, 46.4366, 98.5501



Tritanopia

34.3643, 46.9445, 72.2158

Trichromacy



Original Color

38.9827, 46.7774, 95.7813

Protanomaly

42.3844, 45.4778, 88.9823

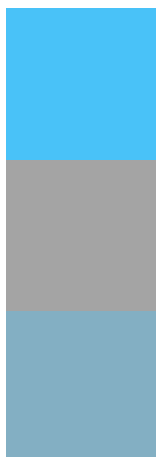
Deuteranomaly

43.1573, 45.6816, 97.8096

Tritanomaly

35.9426, 46.8891, 80.5549

Monochromacy



Original Color

38.9827, 46.7774, 95.7813

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.5404, 39.4254, 57.4191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9827, 46.7774, 95.7813 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(73, 194, 248)` looks like.

```
.text, #text, p{  
    color:rgb(73, 194, 248)  
}
```

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(73, 194, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 194, 248) }
```

Border

The CSS property to change the border of an element to XYZ 38.9827, 46.7774, 95.7813 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(73, 194, 248) }
```


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

```
.border{ border-color:rgb(73, 194, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 194, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 194, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 194, 248);  
box-shadow:4px 4px 4px 4px rgb(73, 194,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9827, 46.7774, 95.7813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 194, 248) }
```

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

```
.background{ background-color: rgb(73, 194,  
248) }
```

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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