

Converting Colors

XYZ(38.9305, 47.1803, 95.7592)

Have a look what the booklet for
XYZ(38.9305, 47.1803, 95.7592)
contains.

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Color

**XYZ(38.9126, 47.0727,
95.8420)**

Conversions

Conversions Part 1

Format	Color
Hex	45C3F8
RGB	69, 195, 248
RGB Percent	27%, 76%, 97%
CMY	0.7294, 0.2353, 0.0274
CMYK	0.72, 0.21, 0.00, 0.03
HSL	198°, 93%, 62%
HSV	198°, 72%, 97%
XYZ	38.9126, 47.0727, 95.8420
YIQ	163.3680, -92.1090, -10.2290

Conversions

Conversions Part 2

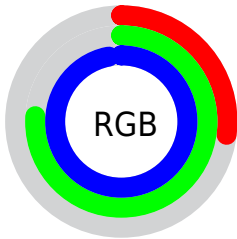
Format	Color
R _{YB}	69, 143, 248
Decimal	4572152
CIE Lab	74.24, -17.68, -36.09
CIE LCh	74, 40.192, 243.901
Yxy	47.0727, 0.2140, 0.2589
Android (android.graphics.Color)	4282762232 (0xFF45C3F8)
YUV	163.3680, 41.7236, -82.7607
Hunter-Lab	68.6095, -18.8286, -34.7967

Details

The XYZ color **38.9126, 47.0727, 95.8420** 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 **46.7472, 34.3082, 9.7905**, and the grayscale version is **34.8289, 36.6427, 39.9039**.

A 20% lighter version of the original color is **63.3416, 82.2441, 107.1440**, and **18.9288, 22.8113, 52.6956** is the 20% darker color. If you saturate the color by 10%, you get **35.9018, 43.1385, 95.2423**, and if you desaturate by 10%, it is **42.7421, 51.5507, 96.5054**.

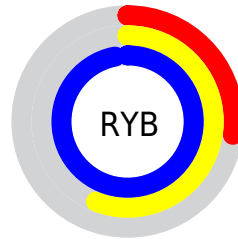
Distribution



Red (27%)

Green (76%)

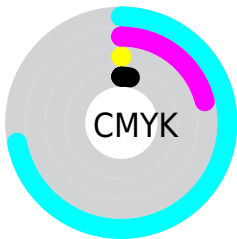
Blue (97%)



Red (27%)

Yellow (56%)

Blue (97%)

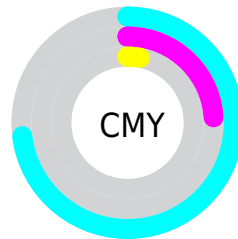


Cyan (72%)

Magenta (21%)

Yellow (0%)

Black (3%)



Cyan (73%)


Magenta (24%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9126, 47.0727, 95.8420 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 38.9126, 47.0727, 95.8420 by changing the saturation by 10% instead.


 38.9126, 47.0727,
95.8420


 38.9126, 47.0727,
95.8420


332.7323,
375.1046, 567.9101


 26.8722, 33.0931,
72.2352


 72.7997, 85.8221,
157.4329


 17.6133, 22.1978,
52.8628


 95.3771, 111.3608,
196.2541

 10.7707, 14.0023,
37.3063


 122.1975,
141.5212, 240.9839

 5.9790, 8.1223,
25.1471

 153.6263,
176.6879, 292.0408

 2.8729, 4.1733,
15.9667

190.0288,
217.2452, 349.8433

 1.0869, 1.7710,
9.3465

231.7704,

 0.0141, 0.4690,

263.5775, 414.8100

4.8680

279.2165,
316.0692, 487.3594

■ 0.0000, 0.0000,
2.1126

■ 0.0000, 0.0000,
0.6233

■ 38.9126, 47.0727,
95.8420

■ 38.9126, 47.0727,
95.8420

■ 35.9018, 43.1385,
95.2423

■ 42.7421, 51.5507,
96.5054

■ 33.6052, 39.6902,
94.6977

■ 47.4680, 56.6118,
97.2332

■ 32.1895, 37.2694,
94.3051

■ 53.1639, 62.2963,
98.0303

■ 59.8940, 68.6391,
98.8998

67.7166, 75.6717,
99.8450

76.6857, 83.4235,
100.8685

86.8514, 91.9219,
101.9730

93.5457, 98.7618,
102.9405

93.9435, 99.5574,
103.0731

Harmonies

Analogous

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



34.1882, 47.0727, 76.7553



38.9126, 47.0727, 95.8420



45.6914, 47.0727, 101.9764

Triad

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



38.9126, 47.0727, 95.8420



60.0546, 47.0727, 48.5991



37.4425, 47.0727, 24.8484

Complementary

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



38.9126, 47.0727, 95.8420



46.7472, 34.3082, 9.7905

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.



43.8043, 47.0727, 20.9605



38.9126, 47.0727, 95.8420



57.2689, 47.0727, 32.1377

Square

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



38.9126, 47.0727, 95.8420



58.3885, 47.0727, 70.7904



51.1245, 47.0727, 23.2178



33.4056, 47.0727, 35.6899

Rectangle

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



38.9126, 47.0727, 95.8420



50.5992, 47.0727, 96.8230



51.1245, 47.0727, 23.2178



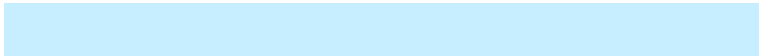
39.3537, 47.0727, 22.8400

Sweetspot

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



38.9142, 47.0744, 95.8432



72.2645, 80.7241, 106.3803



39.3964, 69.7506, 29.0689



14.9568, 16.8262, 22.7094



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.



38.9142, 47.0744, 95.8432



36.9464, 44.0746, 101.1677



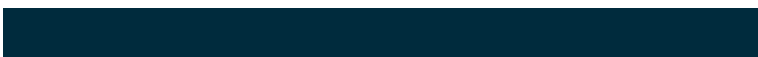
24.7393, 18.7246, 91.1182



17.3064, 18.6897, 22.0806



17.5165, 20.3885, 50.9857



1.7144, 2.0726, 4.7529

Inverse Universe

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



50.6913, 28.1546, 54.3939



51.0071, 26.0437, 50.6594



62.6409, 66.0956, 15.0884



17.7612, 17.4318, 20.5983



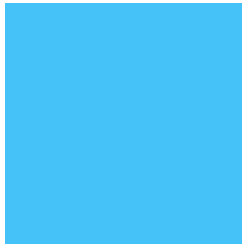
25.1335, 12.4691, 23.2094



2.3743, 1.1735, 2.3944

Previews

White Background



This preview shows how the XYZ color 38.9126, 47.0727, 95.8420 looks on a white background.

Color Contrast Check

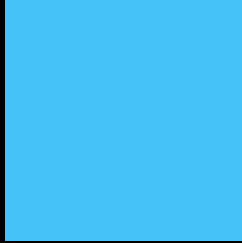
Large Text (above 18pt) WCAG AA × Fail

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 38.9126, 47.0727, 95.8420 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

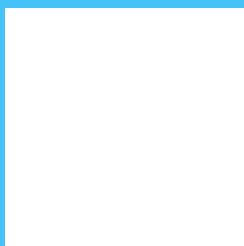
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9126, 47.0727, 95.8420

Background



This preview shows how black text looks on a background with the XYZ color 38.9126, 47.0727, 95.8420.



This preview shows how white text looks on a background with the XYZ color 38.9126, 47.0727,

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

38.9126, 47.0727, 95.8420

Protanopia

46.9863, 46.4033, 85.8372

Deuteranopia

47.7913, 46.5376, 98.5592



Tritanopia

34.4497, 47.3185, 72.9633

Trichromacy



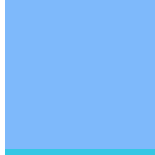
Original Color

38.9126, 47.0727, 95.8420



Protanomaly

42.4372, 45.8145, 89.0445



Deuteranomaly

43.3657, 46.0986, 97.8791



Tritanomaly

35.8952, 47.2052, 80.6184

Monochromacy



Original Color

38.9126, 47.0727, 95.8420



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

34.1208, 39.2221, 56.8112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9126, 47.0727, 95.8420 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(69, 195, 248)` looks like.

```
.text, #text, p{  
    color:rgb(69, 195, 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(69, 195, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 195, 248) }
```

Border

The CSS property to change the border of an element to XYZ 38.9126, 47.0727, 95.8420 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(69, 195, 248) }
```


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

```
.border{ border-color:rgb(69, 195, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 195, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 195, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 195, 248);  
box-shadow:4px 4px 4px 4px rgb(69, 195,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9126, 47.0727, 95.8420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 195, 248) }
```

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

```
.background{ background-color: rgb(69, 195,  
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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