

Converting Colors

XYZ(38.3064, 47.5339, 96.9685)

Have a look what the booklet for
XYZ(38.3064, 47.5339, 96.9685)
contains.

XYZ(38.1918, 47.3529, 96.7496)	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(38.1918, 47.3529,
96.7496)**

Conversions

Conversions Part 1

Format	Color
Hex	2EC5F9
RGB	46, 197, 249
RGB Percent	18%, 77%, 98%
CMY	0.8195, 0.2274, 0.0235
CMYK	0.82, 0.21, 0.00, 0.02
HSL	195°, 94%, 58%
HSV	195°, 82%, 98%
XYZ	38.1918, 47.3529, 96.7496
YIQ	157.7790, -106.6880, -15.8400

Conversions

Conversions Part 2

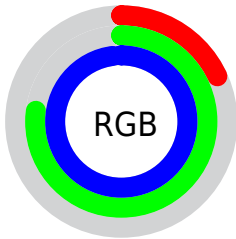
Format	Color
R_{YB}	46, 133, 249
Decimal	3065337
CIE _{Lab}	74.41, -20.76, -36.39
CIE _{LCh}	74, 41.893, 240.297
Yxy	47.3529, 0.2095, 0.2598
Android (android.graphics.Color)	4281255417 (0xFF2EC5F9)
YUV	157.7790, 44.9720, -98.0302
Hunter-Lab	68.8134, -21.3551, -35.1905

Details

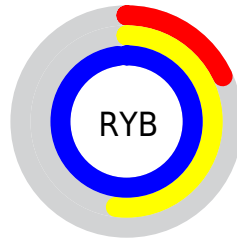
The XYZ color **38.1918, 47.3529, 96.7496** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.9301, 29.0759, 5.8835**, and the grayscale version is **32.2399, 33.9188, 36.9376**.

A 20% lighter version of the original color is **61.9493, 82.4636, 107.2597**, and **19.3369, 23.4507, 53.3764** is the 20% darker color. If you saturate the color by 10%, you get **35.9597, 44.0981, 96.2399**, and if you desaturate by 10%, it is **41.1377, 51.0683, 97.3124**.

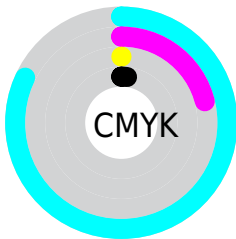
Distribution



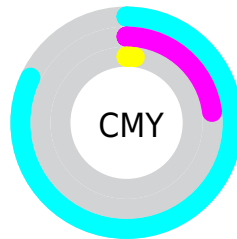
- Red (18%)
- Green (77%)
- Blue (98%)



- Red (18%)
- Yellow (52%)
- Blue (98%)



- Cyan (82%)
- Magenta (21%)
- Yellow (0%)
- Black (2%)



- Cyan (82%)
- Magenta (23%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1918, 47.3529, 96.7496 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 38.1918, 47.3529, 96.7496 by changing the saturation by 10% instead.

38.1918, 47.3529,
96.7496

38.1918, 47.3529,
96.7496

329.7087,
376.2214, 570.8779

26.3095, 33.3147,
72.9871

71.7040, 86.2402,
158.6958

17.1892, 22.3677,
53.4737

94.0646, 111.8580,
197.7167

10.4656, 14.1273,
37.7907

120.6487,
142.1046, 242.6607

5.7734, 8.2093,
25.5197

151.8216,
177.3642, 293.9465

2.7471, 4.2291,
16.2422

187.9487,
218.0213, 351.9926

1.0215, 1.8025,
9.5395

229.3954,

0.0000, 0.4888,

264.4603, 417.2175

4.9931

276.5269,
317.0655, 490.0397

■ 0.0000, 0.0000,
2.1845

■ 0.0000, 0.0000,
0.6654

■ 38.1918, 47.3529,
96.7496

■ 38.1918, 47.3529,
96.7496

■ 35.9597, 44.0981,
96.2399

■ 41.1377, 51.0683,
97.3124

■ 34.4928, 41.6271,
95.8403

■ 44.8913, 55.2914,
97.9297

■ 49.5363, 60.0671,
98.6067

■ 55.1444, 65.4336,
99.3470

■ 61.7797, 71.4248,
100.1537

■ 69.5003, 78.0719,
101.0298

■ 78.3601, 85.4034,
101.9779

■ 88.4092, 93.4463,
103.0007

■ 93.9115, 99.2445,
103.8299

Harmonies

Analogous

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



33.6026, 47.3529, 75.5011



38.1918, 47.3529, 96.7496



45.0827, 47.3529, 105.2983

Triad

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



38.1918, 47.3529, 96.7496



61.1378, 47.3529, 51.3442



38.0752, 47.3529, 23.3522

Complementary

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



38.1918, 47.3529, 96.7496



43.9301, 29.0759, 5.8835

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.



44.9324, 47.3529, 20.1617



38.1918, 47.3529, 96.7496



58.7387, 47.3529, 33.3035

Square

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



38.1918, 47.3529, 96.7496



58.8286, 47.3529, 75.0211



52.5894, 47.3529, 23.2254



33.5408, 47.3529, 33.5830

Rectangle

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



38.1918, 47.3529, 96.7496



50.2324, 47.3529, 101.1989



52.5894, 47.3529, 23.2254



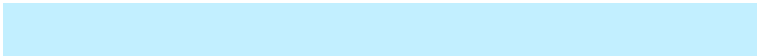
40.1581, 47.3529, 21.5733

Sweetspot

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



38.1934, 47.3545, 96.7508



71.2078, 80.5847, 106.4091



37.1503, 69.1920, 22.6491



14.6129, 16.7089, 22.7049



0.0000, 0.0000, 0.0000



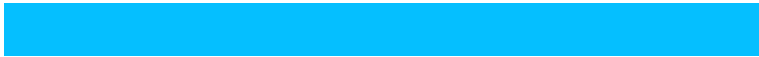
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.1934, 47.3545, 96.7508



36.7408, 44.5069, 101.2620



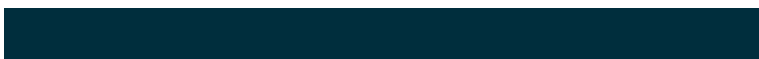
22.4795, 15.9268, 91.5128



17.3674, 18.8116, 22.1009



18.5836, 22.5227, 51.3414



1.8061, 2.2560, 4.7834

Inverse Universe

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



50.1234, 26.1267, 55.2260



50.6974, 25.1315, 51.4589



59.8134, 60.8424, 11.1779



17.7920, 17.4441, 20.7603



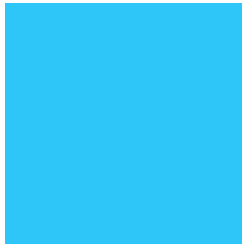
25.6722, 12.6846, 26.0457



2.4206, 1.1920, 2.6382

Previews

White Background



This preview shows how the XYZ color 38.1918, 47.3529, 96.7496 looks on a white background.

Color Contrast Check

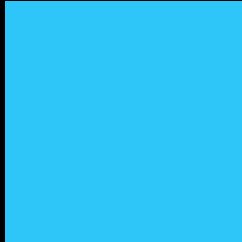
Large Text (above 18pt) WCAG AA × Fail

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 38.1918, 47.3529, 96.7496 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

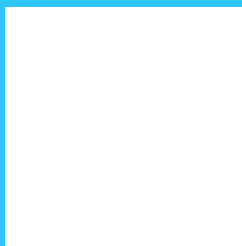
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1918, 47.3529, 96.7496

Background



This preview shows how black text looks on a background with the XYZ color 38.1918, 47.3529, 96.7496.



This preview shows how white text looks on a background with the XYZ color 38.1918, 47.3529,

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

38.1918, 47.3529, 96.7496

Protanopia

47.1968, 46.5118, 85.8470

Deuteranopia

47.7543, 46.5001, 99.3870



Tritanopia

33.7754, 47.3030, 73.6799

Trichromacy



Original Color

38.1918, 47.3529, 96.7496



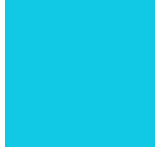
Protanomaly

41.6045, 45.6796, 89.8434



Deuteranomaly

42.4657, 45.9280, 98.7223



Tritanomaly

35.0283, 47.0849, 81.3708

Monochromacy



Original Color

38.1918, 47.3529, 96.7496



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

31.4926, 37.0485, 54.7815

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1918, 47.3529, 96.7496 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(46, 197, 249)` looks like.

```
.text, #text, p{  
    color:rgb(46, 197, 249)  
}
```

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(46, 197, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 197, 249) }
```

Border

The CSS property to change the border of an element to XYZ 38.1918, 47.3529, 96.7496 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(46, 197, 249) }
```


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

```
.border{ border-color:rgb(46, 197, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 197, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 197, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 197, 249);  
box-shadow:4px 4px 4px 4px rgb(46, 197,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1918, 47.3529, 96.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 197, 249) }
```

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

```
.background{ background-color: rgb(46, 197,  
249) }
```

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