

Converting Colors

XYZ(38.5070, 46.4926,
101.5522)

Have a look what the booklet for
XYZ(38.5070, 46.4926, 101.5522)
contains.

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Color

**XYZ(38.4685, 46.3844,
101.5333)**

Conversions

Conversions Part 1

Format	Color
Hex	2EC2FF
RGB	46, 194, 255
RGB Percent	18%, 76%, 100%
CMY	0.8195, 0.2392, 0.0000
CMYK	0.82, 0.24, 0.00, 0.00
HSL	198°, 100%, 59%
HSV	198°, 82%, 100%
XYZ	38.4685, 46.3844, 101.5333
YIQ	156.7020, -107.7890, -12.4050

Conversions

Conversions Part 2

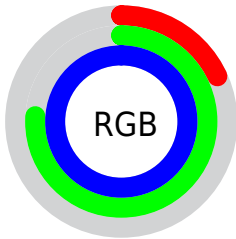
Format	Color
R _{YB}	46, 133, 255
Decimal	3064575
CIE _{Lab}	73.79, -17.19, -40.58
CIE _{LCh}	74, 44.070, 247.035
Yxy	46.3844, 0.2064, 0.2489
Android (android.graphics.Color)	4281254655 (0xFF2EC2FF)
YUV	156.7020, 48.4609, -97.0857
Hunter-Lab	68.1061, -18.3632, -40.7159

Details

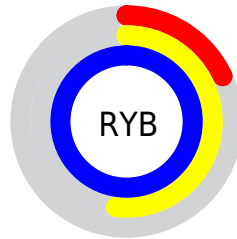
The XYZ color **38.4685, 46.3844, 101.5333** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.9932, 31.9768, 6.2823**, and the grayscale version is **31.7414, 33.3945, 36.3666**.

A 20% lighter version of the original color is **61.1514, 80.6500, 106.9517**, and **19.5711, 22.8334, 56.8019** is the 20% darker color. If you saturate the color by 10%, you get **36.0262, 42.7281, 100.9563**, and if you desaturate by 10%, it is **41.6775, 50.5606, 102.1703**.

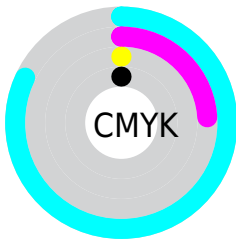
Distribution



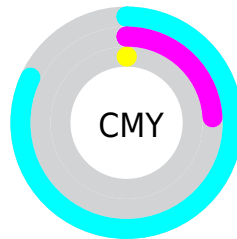
- Red (18%)
- Green (76%)
- Blue (100%)



- Red (18%)
- Yellow (52%)
- Blue (100%)



- Cyan (82%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (82%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4685, 46.3844, 101.5333 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 38.4685, 46.3844, 101.5333 by changing the saturation by 10% instead.

■ 38.4685, 46.3844,
101.5333

■ 38.4685, 46.3844,
101.5333

330.8717,
372.3519, 586.3861

■ 26.5254, 32.5493,
76.9577

■ 72.1249, 84.7940,
165.3329

■ 17.3518, 21.7814,
56.7068

■ 94.5690, 110.1372,
205.3940

■ 10.5825, 13.6963,
40.3621

■ 121.2440,
140.0853, 251.4539

■ 5.8521, 7.9098,
27.5050

■ 152.5154,
175.0226, 303.9313

■ 2.7951, 4.0373,
17.7171

188.7485,
215.3335, 363.2447

■ 1.0464, 1.6944,
10.5797

230.3087,

■ 0.0000, 0.4200,

261.4025, 429.8126

5.6744

277.5613,
313.6138, 504.0535

■ 0.0000, 0.0000,
2.5826

■ 0.0000, 0.0000,
0.8834

■ 38.4685, 46.3844,
101.5333

■ 38.4685, 46.3844,
101.5333

■ 36.0262, 42.7281,
100.9563

■ 41.6775, 50.5606,
102.1703

■ 34.4864, 40.0929,
100.5288

■ 45.7551, 55.3087,
102.8718

■ 50.7909, 60.6775,
103.6427

■ 56.8617, 66.7081,
104.4868

64.0360, 73.4375,
105.4075

72.3761, 80.8995,
106.4083

81.9396, 89.1254,
107.4920

92.7801, 98.1442,
108.6614

95.0500, 100.0000,
108.9000

Harmonies

Analogous

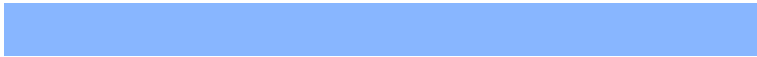
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.1251, 46.3844, 81.1902



38.4685, 46.3844, 101.5333



45.9574, 46.3844, 106.5409

Triad

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



38.4685, 46.3844, 101.5333



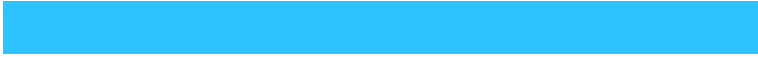
60.7857, 46.3844, 45.4041



35.6243, 46.3844, 23.3068

Complementary

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



38.4685, 46.3844, 101.5333



46.9932, 31.9768, 6.2823

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.



42.2680, 46.3844, 18.6542



38.4685, 46.3844, 101.5333



57.2342, 46.3844, 28.7268

Square

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



38.4685, 46.3844, 101.5333



59.4575, 46.3844, 69.2702



50.2275, 46.3844, 20.2924



31.6239, 46.3844, 35.4770

Rectangle

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



38.4685, 46.3844, 101.5333



51.2925, 46.3844, 99.4848



50.2275, 46.3844, 20.2924



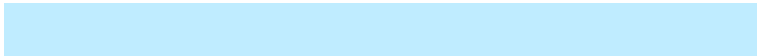
37.5900, 46.3844, 21.0056

Sweetspot

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



38.4700, 46.3859, 101.5335



69.7073, 78.5459, 106.0946



39.4494, 73.1260, 25.4627



14.2914, 16.2499, 22.6332



0.0000, 0.0000, 0.0000



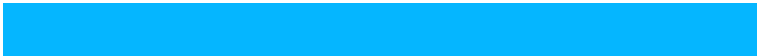
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4700, 46.3859, 101.5335



34.8537, 40.7325, 100.6329



22.9445, 15.3349, 96.3584



18.0808, 19.5331, 23.0673



18.1552, 21.2200, 52.5736



1.8621, 2.2550, 5.1504

Inverse Universe

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



51.9557, 27.1108, 53.5348



49.7448, 24.7505, 46.4429



64.7114, 67.4131, 12.1883



18.5534, 18.2047, 21.5314



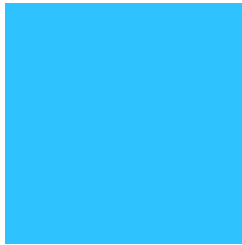
25.9521, 12.8701, 24.1960



2.5745, 1.2722, 2.6069

Previews

White Background



This preview shows how the XYZ color 38.4685, 46.3844, 101.5333 looks on a white background.

Color Contrast Check

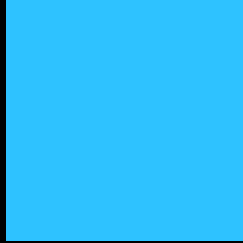
Large Text (above 18pt) WCAG AA × Fail

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 38.4685, 46.3844, 101.5333 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

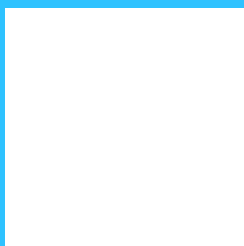
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4685, 46.3844, 101.5333

Background



This preview shows how black text looks on a background with the XYZ color 38.4685, 46.3844, 101.5333.

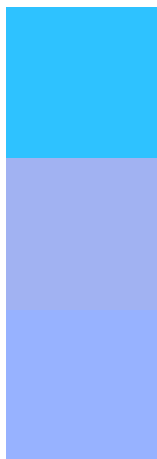


This preview shows how white text looks on a background with the XYZ color 38.4685, 46.3844,

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

38.4685, 46.3844, 101.5333

Protanopia

46.6453, 45.8287, 90.3917

Deuteranopia

46.7329, 45.6401, 100.9541



Tritanopia

33.0489, 46.2664, 72.1542

Trichromacy



Original Color

38.4685, 46.3844, 101.5333

Protanomaly

41.5367, 44.9183, 94.4766

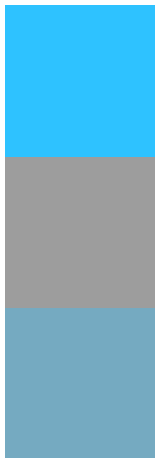
Deuteranomaly

42.0005, 45.0117, 101.0822

Tritanomaly

34.7082, 46.2205, 81.9550

Monochromacy



Original Color

38.4685, 46.3844, 101.5333

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.3365, 36.3816, 55.8228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4685, 46.3844, 101.5333 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, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 194, 255)  
}
```

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, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.4685, 46.3844, 101.5333 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, 194, 255) }
```


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

```
.border{ border-color:rgb(46, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4685, 46.3844, 101.5333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 194, 255) }
```

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

```
.background{ background-color: rgb(46, 194,  
255) }
```

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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