

Converting Colors

XYZ(53.6374, 52.6425,
182.2108)

Have a look what the booklet for
XYZ(53.6374, 52.6425, 182.2108)
contains.

XYZ(38.4018, 46.6815, 101.5942)	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(38.4018, 46.6815,
101.5942)**

Conversions

Conversions Part 1

Format	Color
Hex	27C3FF
RGB	39, 195, 255
RGB Percent	15%, 76%, 100%
CMY	0.8470, 0.2353, 0.0000
CMYK	0.85, 0.24, 0.00, 0.00
HSL	197°, 100%, 58%
HSV	197°, 85%, 100%
XYZ	38.4018, 46.6815, 101.5942
YIQ	155.1960, -112.2360, -14.4120

Conversions

Conversions Part 2

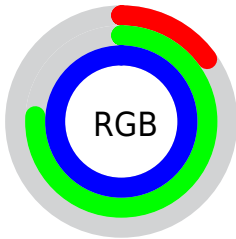
Format	Color
R _Y B	39, 130, 255
Decimal	2606079
CIE Lab	73.99, -18.23, -40.29
CIE LCh	74, 44.220, 245.649
Yxy	46.6815, 0.2057, 0.2501
Android (android.graphics.Color)	4280796159 (0xFF27C3FF)
YUV	155.1960, 49.2034, -101.9039
Hunter-Lab	68.3239, -19.2399, -40.3346

Details

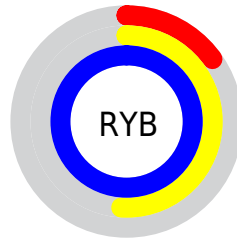
The XYZ color **38.4018, 46.6815, 101.5942** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **46.0707, 30.3348, 5.3487**, and the grayscale version is **31.0709, 32.6890, 35.5983**.

A 20% lighter version of the original color is **61.0288, 81.0518, 107.0357**, and **19.7179, 23.1270, 56.8508** is the 20% darker color. If you saturate the color by 10%, you get **36.1896, 43.2411, 101.0467**, and if you desaturate by 10%, it is **41.3394, 50.6092, 102.1975**.

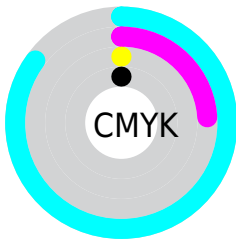
Distribution



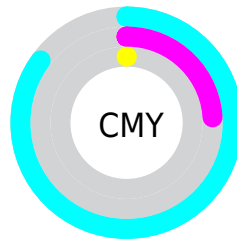
- Red (15%)
- Green (76%)
- Blue (100%)



- Red (15%)
- Yellow (51%)
- Blue (100%)



- Cyan (85%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4018, 46.6815, 101.5942 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 38.4018, 46.6815, 101.5942 by changing the saturation by 10% instead.

■ 38.4018, 46.6815,
101.5942

■ 38.4018, 46.6815,
101.5942

330.5916,
373.5418, 586.5821

■ 26.4733, 32.7839,
77.0083

■ 72.0235, 85.2380,
165.4172

■ 17.3126, 21.9610,
56.7481

■ 94.4474, 110.6657,
205.4914

■ 10.5543, 13.8282,
40.3950

■ 121.1006,
140.7057, 251.5654

■ 5.8331, 8.0013,
27.5305

■ 152.3483,
175.7422, 304.0578

■ 2.7835, 4.0958,
17.7361

188.5558,
216.1596, 363.3872

■ 1.0403, 1.7273,
10.5932

230.0887,

■ 0.0000, 0.4412,

262.3424, 429.9719

5.6833

277.3122,
314.6750, 504.2308

■ 0.0000, 0.0000,
2.5878

■ 0.0000, 0.0000,
0.8862

■ 38.4018, 46.6815,
101.5942

■ 38.4018, 46.6815,
101.5942

■ 36.1896, 43.2411,
101.0467

■ 41.3394, 50.6092,
102.1975

■ 35.2239, 41.5679,
100.7746

■ 45.1111, 55.0793,
102.8615

■ 49.8105, 60.1425,
103.5911

■ 55.5169, 65.8410,
104.3903

■ 62.3006, 72.2126,
105.2626

■ 70.2255, 79.2914,
106.2112

■ 79.3501, 87.1091,
107.2393

■ 89.7289, 95.6951,
108.3495

■ 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.



33.1450, 46.6815, 80.5991



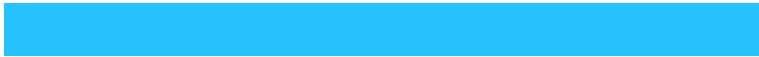
38.4018, 46.6815, 101.5942



45.8801, 46.6815, 107.5052

Triad

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



38.4018, 46.6815, 101.5942



61.2491, 46.6815, 46.6688



36.0995, 46.6815, 23.0598

Complementary

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



38.4018, 46.6815, 101.5942



46.0707, 30.3348, 5.3487

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.



42.8922, 46.6815, 18.6856



38.4018, 46.6815, 101.5942



57.8785, 46.6815, 29.4728

Square

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



38.4018, 46.6815, 101.5942



59.6804, 46.6815, 70.9365



50.9252, 46.6815, 20.6249



31.9303, 46.6815, 34.9318

Rectangle

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



38.4018, 46.6815, 101.5942



51.2677, 46.6815, 100.9350



50.9252, 46.6815, 20.6249



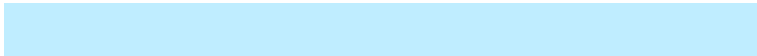
38.1194, 46.6815, 20.8539

Sweetspot

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



38.4033, 46.6830, 101.5944



69.9671, 79.0654, 106.1812



38.7376, 72.8078, 23.2279



14.3539, 16.3749, 22.6541



0.0000, 0.0000, 0.0000



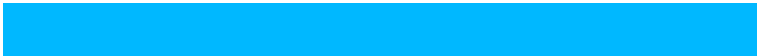
20.3446, 21.4041, 23.3091

Same Dimension

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



38.4033, 46.6830, 101.5944



35.2239, 41.5679, 100.7746



22.4951, 14.8666, 96.2917



18.1032, 19.5781, 23.0748



18.5373, 21.9842, 52.7009



1.8969, 2.3245, 5.1620

Inverse Universe

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



51.8169, 26.6529, 54.0445



49.9086, 24.7274, 47.5783



63.3438, 64.8810, 11.1064



18.5648, 18.2092, 21.5911



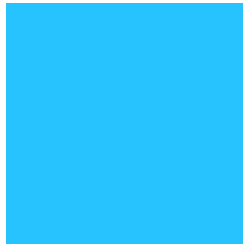
26.1450, 12.9473, 25.2117



2.5921, 1.2792, 2.6992

Previews

White Background



This preview shows how the XYZ color 38.4018, 46.6815, 101.5942 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 38.4018, 46.6815, 101.5942 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

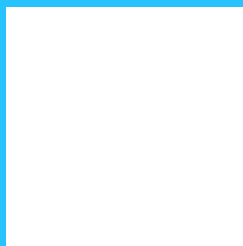
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4018, 46.6815, 101.5942

Background



This preview shows how black text looks on a background with the XYZ color 38.4018, 46.6815, 101.5942.



This preview shows how white text looks on a background with the XYZ color 38.4018, 46.6815,

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

38.4018, 46.6815, 101.5942

Protanopia

46.8477, 45.9330, 90.4012

Deuteranopia

47.1190, 46.1356, 101.0294



Tritanopia

33.2813, 46.7312, 72.2317

Trichromacy



Original Color

38.4018, 46.6815, 101.5942

Protanomaly

41.2651, 44.7783, 94.4639

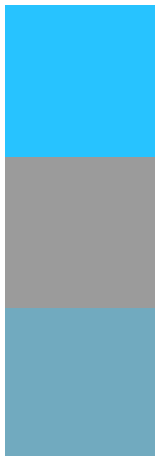
Deuteranomaly

41.9545, 45.2974, 101.1398

Tritanomaly

34.8875, 46.6534, 82.0292

Monochromacy



Original Color

38.4018, 46.6815, 101.5942

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.5887, 36.0217, 54.6309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4018, 46.6815, 101.5942 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(39, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(39, 195, 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(39, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.4018, 46.6815, 101.5942 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(39, 195, 255) }
```


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

```
.border{ border-color:rgb(39, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(39, 195,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4018, 46.6815, 101.5942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 195, 255) }
```

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

```
.background{ background-color: rgb(39, 195,  
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](#).

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