

Converting Colors

XYZ(38.1174, 46.7369,
101.6199)

Have a look what the booklet for
XYZ(38.1174, 46.7369, 101.6199)
contains.

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Color

**XYZ(38.2159, 46.9195,
101.6499)**

Conversions

Conversions Part 1

Format	Color
Hex	1AC4FF
RGB	26, 196, 255
RGB Percent	10%, 77%, 100%
CMY	0.8979, 0.2314, 0.0000
CMYK	0.90, 0.23, 0.00, 0.00
HSL	195°, 100%, 55%
HSV	195°, 90%, 100%
XYZ	38.2159, 46.9195, 101.6499
YIQ	151.8960, -120.2590, -17.6910

Conversions

Conversions Part 2

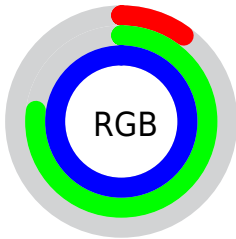
Format	Color
RYP	26, 124, 255
Decimal	1754367
CIELab	74.14, -19.49, -40.06
CIELCh	74, 44.548, 244.057
Yxy	46.9195, 0.2046, 0.2512
Android (android.graphics.Color)	4279944447 (0xFF1AC4FF)
YUV	151.8960, 50.8303, -110.4108
Hunter-Lab	68.4978, -20.2835, -40.0372

Details

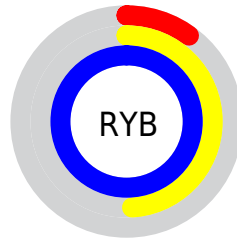
The XYZ color **38.2159, 46.9195, 101.6499** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **44.6779, 27.8369, 3.9976**, and the grayscale version is **29.6302, 31.1733, 33.9477**.

A 20% lighter version of the original color is **60.7830, 81.3925, 107.1145**, and **19.8660, 23.4232, 56.9002** is the 20% darker color. If you saturate the color by 10%, you get **36.3473, 43.8047, 101.1472**, and if you desaturate by 10%, it is **40.6976, 50.4483, 102.2002**.

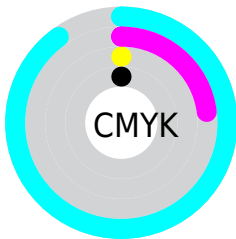
Distribution



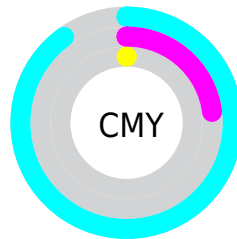
- Red (10%)
- Green (77%)
- Blue (100%)



- Red (10%)
- Yellow (49%)
- Blue (100%)



- Cyan (90%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2159, 46.9195, 101.6499 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 38.2159, 46.9195, 101.6499 by changing the saturation by 10% instead.

■ 38.2159, 46.9195,
101.6499

■ 38.2159, 46.9195,
101.6499

■ 329.8101,
374.4931, 586.7613

■ 26.3283, 32.9720,
77.0546

■ 71.7407, 85.5934,
165.4943

■ 17.2034, 22.1050,
56.7859

■ 94.1086, 111.0887,
205.5805

■ 10.4758, 13.9341,
40.4251

■ 120.7006,
141.2020, 251.6674

■ 5.7802, 8.0748,
27.5539

■ 151.8821,
176.3178, 304.1735

■ 2.7513, 4.1429,
17.7535

■ 188.0184,
216.8204, 363.5174

■ 1.0236, 1.7538,
10.6056

229.4750,

■ 0.0000, 0.4581,

263.0942, 430.1177

5.6915

276.6171,
315.5236, 504.3928

■ 0.0000, 0.0000,
2.5927

■ 0.0000, 0.0000,
0.8887

■ 38.2159, 46.9195,
101.6499

■ 38.2159, 46.9195,
101.6499

■ 36.3473, 43.8047,
101.1472

■ 40.6976, 50.4483,
102.2002

■ 36.3109, 43.7418,
101.1370

■ 43.9491, 54.4707,
102.8053

■ 48.0730, 59.0416,
103.4702

■ 53.1543, 64.2059,
104.1992

■ 59.2674, 70.0031,
104.9960

■ 66.4790, 76.4688,
105.8639

■ 74.8499, 83.6354,
106.8060

■ 84.4364, 91.5329,
107.8251

■ 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.



33.0560, 46.9195, 79.8509



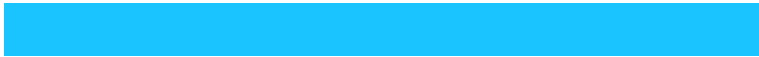
38.2159, 46.9195, 101.6499



45.6898, 46.9195, 108.6329

Triad

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



38.2159, 46.9195, 101.6499



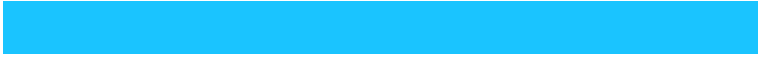
61.7135, 46.9195, 48.0415



36.5448, 46.9195, 22.6501

Complementary

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



38.2159, 46.9195, 101.6499



44.6779, 27.8369, 3.9976

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.



43.5190, 46.9195, 18.6013



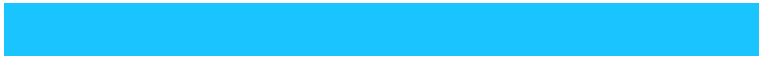
38.2159, 46.9195, 101.6499



58.5496, 46.9195, 30.2227

Square

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



38.2159, 46.9195, 101.6499



59.8606, 46.9195, 72.8169



51.6485, 46.9195, 20.8904



32.1750, 46.9195, 34.1778

Rectangle

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



38.2159, 46.9195, 101.6499



51.1457, 46.9195, 102.6193



51.6485, 46.9195, 20.8904



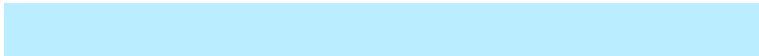
38.6300, 46.9195, 20.5557

Sweetspot

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



38.2174, 46.9210, 101.6501



68.6955, 78.3966, 106.1192



37.7589, 72.3689, 20.2181



14.1257, 16.2768, 22.6472



0.0000, 0.0000, 0.0000



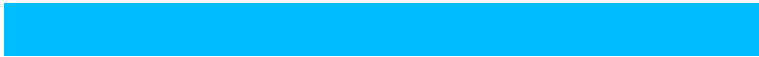
20.3446, 21.4041, 23.3091

Same Dimension

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



38.2174, 46.9210, 101.6501



36.3109, 43.7418, 101.1370



21.5913, 13.6689, 96.1081



18.1354, 19.6425, 23.0855



19.1001, 23.1098, 52.8885



1.9478, 2.4263, 5.1789

Inverse Universe

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



51.5743, 25.9860, 54.5235



50.4573, 24.9469, 50.4674



61.5658, 61.6127, 9.6269



18.5810, 18.2157, 21.6767



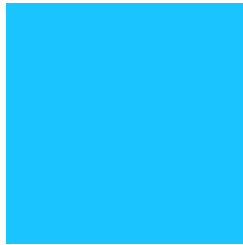
26.4291, 13.0609, 26.7076



2.6178, 1.2895, 2.8346

Previews

White Background



This preview shows how the XYZ color 38.2159, 46.9195, 101.6499 looks on a white background.

Color Contrast Check

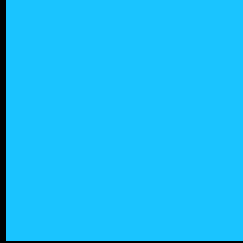
Large Text (above 18pt) WCAG AA × Fail

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 38.2159, 46.9195, 101.6499 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

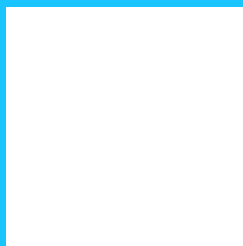
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2159, 46.9195, 101.6499

Background



This preview shows how black text looks on a background with the XYZ color 38.2159, 46.9195, 101.6499.



This preview shows how white text looks on a background with the XYZ color 38.2159, 46.9195,

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

38.2159, 46.9195, 101.6499

Protanopia

47.2514, 46.4375, 90.4773

Deuteranopia

47.3070, 46.2325, 101.0382



Tritanopia

33.4110, 46.7830, 72.9147

Trichromacy



Original Color

38.2159, 46.9195, 101.6499

Protanomaly

40.9475, 44.9240, 94.5087

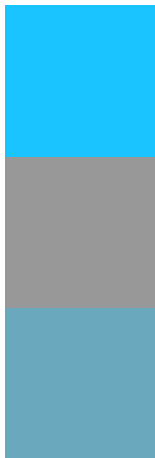
Deuteranomaly

41.4624, 45.0437, 101.1167

Tritanomaly

34.9599, 46.6744, 82.7678

Monochromacy



Original Color

38.2159, 46.9195, 101.6499

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.1318, 34.7436, 53.3149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2159, 46.9195, 101.6499 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(26, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 196, 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(26, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.2159, 46.9195, 101.6499 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(26, 196, 255) }
```


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

```
.border{ border-color:rgb(26, 196, 255) }
```

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

Here you see how a box with a 4 pixel rgb(26, 196, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2159, 46.9195, 101.6499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 196, 255) }
```

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

```
.background{ background-color: rgb(26, 196,  
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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