

Converting Colors

XYZ(38.9615, 47.0160,
101.6308)

Have a look what the booklet for
XYZ(38.9615, 47.0160, 101.6308)
contains.

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Color

**XYZ(38.9303, 46.9540,
101.6189)**

Conversions

Conversions Part 1

Format	Color
Hex	33C3FF
RGB	51, 195, 255
RGB Percent	20%, 76%, 100%
CMY	0.7999, 0.2353, 0.0000
CMYK	0.80, 0.24, 0.00, 0.00
HSL	198°, 100%, 60%
HSV	198°, 80%, 100%
XYZ	38.9303, 46.9540, 101.6189
YIQ	158.7840, -105.0840, -11.8680

Conversions

Conversions Part 2

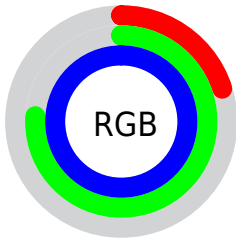
Format	Color
R _Y B	51, 135, 255
Decimal	3392511
CIE Lab	74.16, -17.30, -40.00
CIE LCh	74, 43.581, 246.614
Yxy	46.9540, 0.2076, 0.2504
Android (android.graphics.Color)	4281582591 (0xFF33C3FF)
YUV	158.7840, 47.4345, -94.5266
Hunter-Lab	68.5230, -18.5032, -39.9604

Details

The XYZ color **38.9303, 46.9540, 101.6189** 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 **47.5241, 32.8714, 6.9741**, and the grayscale version is **32.6837, 34.3858, 37.4461**.

A 20% lighter version of the original color is **61.9137, 81.5079, 107.0772**, and **19.7179, 23.1270, 56.8508** is the 20% darker color. If you saturate the color by 10%, you get **36.3408, 43.1873, 101.0284**, and if you desaturate by 10%, it is **42.3105, 51.2552, 102.2710**.

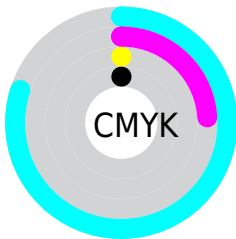
Distribution



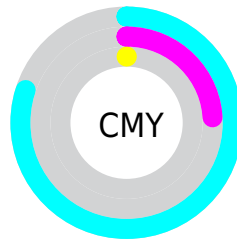
- Red (20%)
- Green (76%)
- Blue (100%)



- Red (20%)
- Yellow (53%)
- Blue (100%)



- Cyan (80%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9303, 46.9540, 101.6189 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 38.9303, 46.9540, 101.6189 by changing the saturation by 10% instead.

■ 38.9303, 46.9540,
101.6189

■ 38.9303, 46.9540,
101.6189

332.8063,
374.6309, 586.6616

■ 26.8860, 32.9993,
77.0288

■ 72.8266, 85.6450,
165.4514

■ 17.6238, 22.1259,
56.7648

■ 95.4093, 111.1500,
205.5309

■ 10.7783, 13.9494,
40.4084

■ 122.2354,
141.2739, 251.6106

■ 5.9841, 8.0855,
27.5409

■ 153.6705,
176.4012, 304.1091

■ 2.8760, 4.1497,
17.7438

190.0797,
216.9161, 363.4449

■ 1.0885, 1.7577,
10.5987

231.8286,

■ 0.0155, 0.4606,

263.2031, 430.0366

5.6869

279.2823,
315.6465, 504.3026

■ 0.0000, 0.0000,
2.5900

■ 0.0000, 0.0000,
0.8873

■ 38.9303, 46.9540,
101.6189

■ 38.9303, 46.9540,
101.6189

■ 36.3408, 43.1873,
101.0284

■ 42.3105, 51.2552,
102.2710

■ 34.3718, 39.8633,
100.4905

■ 46.5789, 56.1405,
102.9890

■ 34.3705, 39.8611,
100.4902

■ 51.8226, 61.6575,
103.7775

■ 58.1165, 67.8465,
104.6404

■ 65.5279, 74.7438,
105.5811

■ 74.1182, 82.3827,
106.6028

■ 83.9440, 90.7941,
107.7084

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

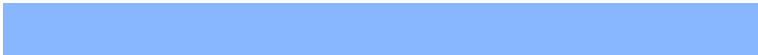
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6292, 46.9540, 81.2980



38.9303, 46.9540, 101.6189



46.3802, 46.9540, 106.8373

Triad

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



38.9303, 46.9540, 101.6189



61.2656, 46.9540, 46.3303



36.2592, 46.9540, 23.7949

Complementary

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



38.9303, 46.9540, 101.6189



47.5241, 32.8714, 6.9741

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.



42.9212, 46.9540, 19.2027



38.9303, 46.9540, 101.6189



57.7971, 46.9540, 29.5283

Square

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



38.9303, 46.9540, 101.6189



59.8762, 46.9540, 70.1618



50.8570, 46.9540, 20.9426



32.2174, 46.9540, 35.8864

Rectangle

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



38.9303, 46.9540, 101.6189



51.6980, 46.9540, 100.0089



50.8570, 46.9540, 20.9426



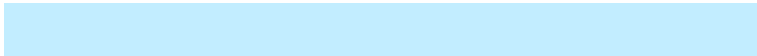
38.2346, 46.9540, 21.5124

Sweetspot

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



38.9318, 46.9555, 101.6191



70.5308, 79.2308, 106.1834



39.8764, 73.3244, 26.4665



14.4488, 16.3807, 22.6502



0.0000, 0.0000, 0.0000



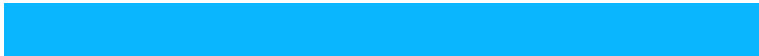
20.3446, 21.4041, 23.3091

Same Dimension

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



38.9318, 46.9555, 101.6191



35.1105, 41.1514, 100.7002



23.5277, 16.1473, 96.4844



18.0772, 19.5260, 23.0661



18.0951, 21.0998, 52.5535



1.8567, 2.2440, 5.1486

Inverse Universe

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



52.2752, 27.5695, 54.1974



49.8976, 24.9002, 46.9742



65.0835, 67.9903, 12.8272



18.5516, 18.2040, 21.5219



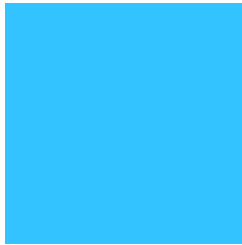
25.9218, 12.8580, 24.0363



2.5718, 1.2711, 2.5923

Previews

White Background



This preview shows how the XYZ color 38.9303, 46.9540, 101.6189 looks on a white background.

Color Contrast Check

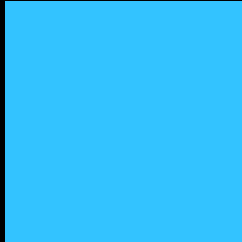
Large Text (above 18pt) WCAG AA × Fail

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 38.9303, 46.9540, 101.6189 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

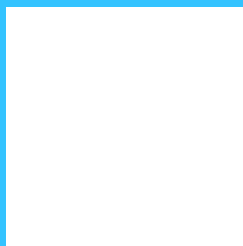
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.9303, 46.9540, 101.6189

Background



This preview shows how black text looks on a background with the XYZ color 38.9303, 46.9540, 101.6189.

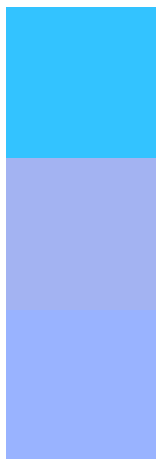


This preview shows how white text looks on a background with the XYZ color 38.9303, 46.9540,

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

38.9303, 46.9540, 101.6189

Protanopia

47.2514, 46.4375, 90.4773

Deuteranopia

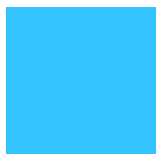
47.3070, 46.2325, 101.0382



Tritanopia

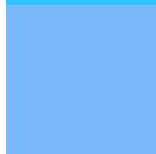
33.4110, 46.7830, 72.9147

Trichromacy



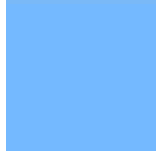
Original Color

38.9303, 46.9540, 101.6189



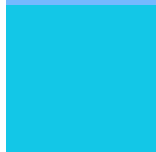
Protanomaly

42.1635, 45.5509, 94.5656



Deuteranomaly

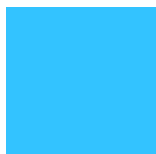
42.6014, 45.6309, 101.1701



Tritanomaly

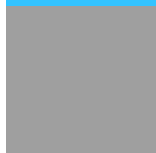
35.1158, 46.7548, 82.7751

Monochromacy



Original Color

38.9303, 46.9540, 101.6189



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

32.2359, 37.3932, 56.5575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9303, 46.9540, 101.6189 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(51, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.9303, 46.9540, 101.6189 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(51, 195, 255) }
```


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

```
.border{ border-color:rgb(51, 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(51, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 195,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9303, 46.9540, 101.6189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 195, 255) }
```

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

```
.background{ background-color: rgb(51, 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](#).

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