

Converting Colors

XYZ(39.1367, 47.3667,
101.6877)

Have a look what the booklet for
XYZ(39.1367, 47.3667, 101.6877)
contains.

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Color

**XYZ(39.1552, 47.4037,
101.6939)**

Conversions

Conversions Part 1

Format	Color
Hex	33C4FF
RGB	51, 196, 255
RGB Percent	20%, 77%, 100%
CMY	0.7999, 0.2314, 0.0000
CMYK	0.80, 0.23, 0.00, 0.00
HSL	197°, 100%, 60%
HSV	197°, 80%, 100%
XYZ	39.1552, 47.4037, 101.6939
YIQ	159.3710, -105.3590, -12.3910

Conversions

Conversions Part 2

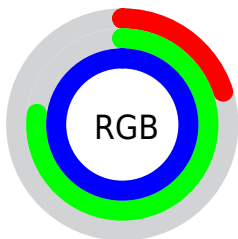
Format	Color
R _Y B	51, 136, 255
Decimal	3392767
CIE Lab	74.45, -17.82, -39.55
CIE LCh	74, 43.383, 245.746
Yxy	47.4037, 0.2080, 0.2518
Android (android.graphics.Color)	4281582847 (0xFF33C4FF)
YUV	159.3710, 47.1451, -95.0414
Hunter-Lab	68.8503, -18.9751, -39.3778

Details

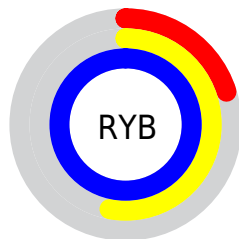
The XYZ color **39.1552, 47.4037, 101.6939** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.4157, 32.6546, 6.9380**, and the grayscale version is **32.9529, 34.6690, 37.7546**.

A 20% lighter version of the original color is **62.2285, 82.1377, 107.1821**, and **19.8660, 23.4232, 56.9002** is the 20% darker color. If you saturate the color by 10%, you get **36.5813, 43.6683, 101.1085**, and if you desaturate by 10%, it is **42.5172, 51.6684, 102.3398**.

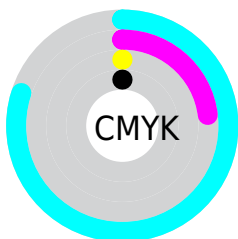
Distribution



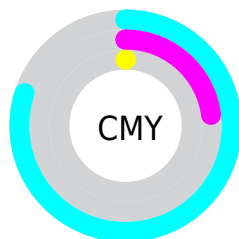
- Red (20%)
- Green (77%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1552, 47.4037, 101.6939 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 39.1552, 47.4037, 101.6939 by changing the saturation by 10% instead.

■ 39.1552, 47.4037,
101.6939

■ 39.1552, 47.4037,
101.6939

333.7457,
376.4236, 586.9029

■ 27.0618, 33.3549,
77.0912

■ 73.1679, 86.3159,
165.5552

■ 17.7564, 22.3985,
56.8157

■ 95.8179, 111.9481,
205.6508

■ 10.8739, 14.1500,
40.4489

■ 122.7174,
142.2102, 251.7479

■ 6.0488, 8.2251,
27.5723

■ 154.2318,
177.4867, 304.2649

■ 2.9157, 4.2393,
17.7673

190.7265,
218.1619, 363.6203

■ 1.1093, 1.8083,
10.6153

232.5668,

■ 0.0329, 0.4923,

264.6202, 430.2328

5.6979

280.1181,
317.2459, 504.5208

■ 0.0000, 0.0000,
2.5965

■ 0.0000, 0.0000,
0.8906

■ 39.1552, 47.4037,
101.6939

■ 39.1552, 47.4037,
101.6939

■ 36.5813, 43.6683,
101.1085

■ 42.5172, 51.6684,
102.3398

■ 34.6253, 40.3703,
100.5750

■ 46.7646, 56.5119,
103.0509

■ 34.6240, 40.3680,
100.5747

■ 51.9847, 61.9815,
103.8315

■ 58.2521, 68.1175,
104.6855

■ 65.6342, 74.9560,
105.6164

■ 74.1922, 82.5303,
106.6273

■ 83.9827, 90.8711,
107.7213

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

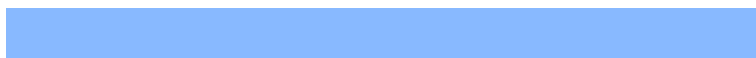
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.9174, 47.4037, 81.0917



39.1552, 47.4037, 101.6939



46.5786, 47.4037, 107.4342

Triad

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



39.1552, 47.4037, 101.6939



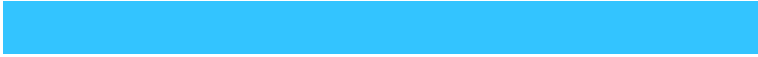
61.7398, 47.4037, 47.4207



36.8276, 47.4037, 23.9523

Complementary

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



39.1552, 47.4037, 101.6939



47.4157, 32.6546, 6.9380

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.



43.5666, 47.4037, 19.5229



39.1552, 47.4037, 101.6939



58.3994, 47.4037, 30.3174

Square

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



39.1552, 47.4037, 101.6939



60.2080, 47.4037, 71.4092



51.5213, 47.4037, 21.4591



32.6864, 47.4037, 35.8643

Rectangle

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



39.1552, 47.4037, 101.6939



51.9104, 47.4037, 100.9506



51.5213, 47.4037, 21.4591



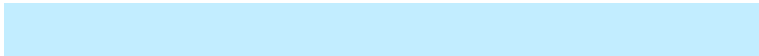
38.8328, 47.4037, 21.7242

Sweetspot

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



39.1567, 47.4053, 101.6941



70.6177, 79.4046, 106.2124



39.8765, 73.3244, 26.4668



14.4698, 16.4228, 22.6572



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.



39.1567, 47.4053, 101.6941



35.3590, 41.6484, 100.7831



23.5278, 16.1475, 96.4845



18.0850, 19.5416, 23.0687



18.2265, 21.3625, 52.5973



1.8686, 2.2680, 5.1525

Inverse Universe

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



52.3887, 27.6149, 54.7950



50.0230, 24.9504, 47.6348



65.0836, 67.9904, 12.8274



18.5555, 18.2055, 21.5426



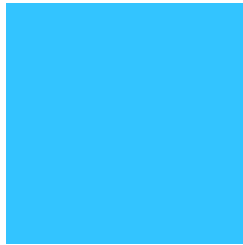
25.9881, 12.8845, 24.3854



2.5778, 1.2735, 2.6241

Previews

White Background



This preview shows how the XYZ color 39.1552, 47.4037, 101.6939 looks on a white background.

Color Contrast Check

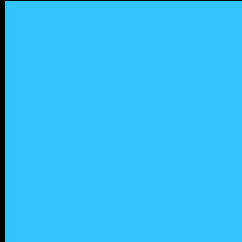
Large Text (above 18pt) WCAG AA × Fail

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 39.1552, 47.4037, 101.6939 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

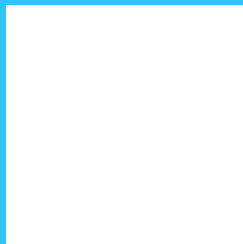
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.1552, 47.4037, 101.6939

Background



This preview shows how black text looks on a background with the XYZ color 39.1552, 47.4037, 101.6939.



This preview shows how white text looks on a background with the XYZ color 39.1552, 47.4037,

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

39.1552, 47.4037, 101.6939

Protanopia

47.4570, 46.5435, 90.4869

Deuteranopia

47.8888, 46.8311, 101.1230



Tritanopia

33.7754, 47.3030, 73.6799

Trichromacy



Original Color

39.1552, 47.4037, 101.6939

Protanomaly

42.3058, 45.6243, 94.5723

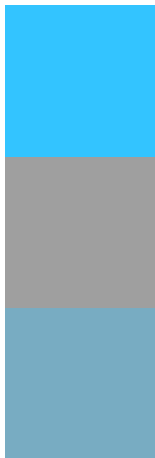
Deuteranomaly

42.9450, 46.1197, 101.2463

Tritanomaly

35.3466, 47.2165, 82.8520

Monochromacy



Original Color

39.1552, 47.4037, 101.6939

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 39.1552, 47.4037, 101.6939 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, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.1552, 47.4037, 101.6939 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, 196, 255) }
```


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

```
.border{ border-color:rgb(51, 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(51, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1552, 47.4037, 101.6939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 196, 255) }
```

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

```
.background{ background-color: rgb(51, 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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