

Converting Colors

XYZ(35.6901, 38.5395,
100.3934)

Have a look what the booklet for
XYZ(35.6901, 38.5395, 100.3934)
contains.

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Color

**XYZ(35.5921, 38.4467,
100.1528)**

Conversions

Conversions Part 1

Format	Color
Hex	47ADFF
RGB	71, 173, 255
RGB Percent	28%, 68%, 100%
CMY	0.7215, 0.3216, 0.0000
CMYK	0.72, 0.32, 0.00, 0.00
HSL	207°, 100%, 64%
HSV	207°, 72%, 100%
XYZ	35.5921, 38.4467, 100.1528
YIQ	151.8500, -87.1140, 3.8780

Conversions

Conversions Part 2

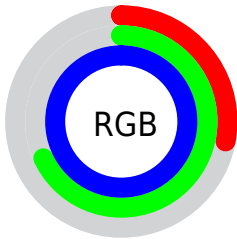
Format	Color
R _Y B	71, 137, 255
Decimal	4697599
CIE Lab	68.35, -3.18, -49.08
CIE LCh	68, 49.179, 266.293
Yxy	38.4467, 0.2043, 0.2207
Android (android.graphics.Color)	4282887679 (0xFF47ADFF)
YUV	151.8500, 50.8529, -70.9055
Hunter-Lab	62.0054, -6.0476, -52.3630

Details

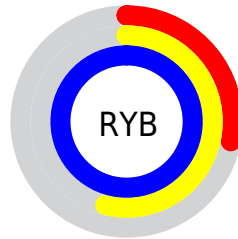
The XYZ color **35.5921, 38.4467, 100.1528** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **53.7708, 44.5012, 11.7190**, and the grayscale version is **29.5971, 31.1385, 33.9098**.

A 20% lighter version of the original color is **56.6086, 68.2823, 104.8039**, and **17.0304, 17.7520, 55.9550** is the 20% darker color. If you saturate the color by 10%, you get **32.0114, 33.5026, 99.3872**, and if you desaturate by 10%, it is **40.1447, 44.1682, 101.0172**.

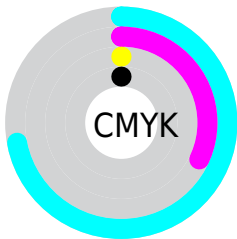
Distribution



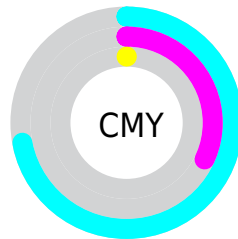
- Red (28%)
- Green (68%)
- Blue (100%)



- Red (28%)
- Yellow (54%)
- Blue (100%)



- Cyan (72%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (72%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5921, 38.4467, 100.1528 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 35.5921, 38.4467, 100.1528 by changing the saturation by 10% instead.

■ 35.5921, 38.4467,
100.1528

■ 35.5921, 38.4467,
100.1528

318.6366,
339.5323, 581.9333

■ 24.2880, 26.3296,
75.8106

■ 67.7300, 72.7923,
163.4209

■ 15.6733, 17.0704,
55.7715

■ 89.2945, 95.7896,
203.1838

■ 9.3826, 10.2847,
39.6169

■ 115.0099,
123.1823, 248.9239

■ 5.0507, 5.5881,
26.9285

■ 145.2414,
155.3549, 301.0600

■ 2.3121, 2.5963,
17.2876

180.3545,
192.6919, 360.0104

■ 0.8008, 0.9248,
10.2756

220.7145,

■ 0.0000, 0.0000,

235.5775, 426.1937

5.4741

266.6867,
284.3962, 500.0285

■ 0.0000, 0.0000,
2.4645

■ 0.0000, 0.0000,
0.8212

■ 35.5921, 38.4467,
100.1528

■ 35.5921, 38.4467,
100.1528

■ 32.0114, 33.5026,
99.3872

■ 40.1447, 44.1682,
101.0172

■ 29.2886, 29.2686,
98.7135

■ 45.7572, 50.7172,
101.9855

■ 27.6270, 26.3741,
98.2423

■ 52.5109, 58.1427,
103.0628

■ 60.4774, 66.4877,
104.2537

■ 69.7223, 75.7920,
105.5623

■ 80.3060, 86.0924,
106.9927

■ 92.2848, 97.4238,
108.5485

■ 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.



28.9155, 38.4467, 88.0625



35.5921, 38.4467, 100.1528



43.5126, 38.4467, 92.6476

Triad

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



35.5921, 38.4467, 100.1528



51.5147, 38.4467, 25.7269



25.5424, 38.4467, 22.4401

Complementary

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



35.5921, 38.4467, 100.1528



53.7708, 44.5012, 11.7190

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.



30.3594, 38.4467, 14.1637



35.5921, 38.4467, 100.1528



45.4049, 38.4467, 15.5392

Square

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



35.5921, 38.4467, 100.1528



53.4278, 38.4467, 44.6680



37.5095, 38.4467, 12.1745



23.6521, 38.4467, 39.1759

Rectangle

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



35.5921, 38.4467, 100.1528



48.3445, 38.4467, 78.5977



37.5095, 38.4467, 12.1745



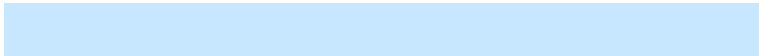
26.8368, 38.4467, 18.8398

Sweetspot

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



35.5934, 38.4479, 100.1530



69.8728, 75.9408, 105.5831



43.9244, 75.0860, 41.3459



14.3901, 15.6928, 22.5205



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.



35.5934, 38.4479, 100.1530



30.5918, 31.3655, 99.0495



23.7641, 14.7893, 96.2099



17.8380, 19.0476, 22.9863



14.5871, 14.0837, 51.3842



1.5293, 1.5894, 5.0395

Inverse Universe

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



51.0371, 28.7853, 42.4023



47.7996, 24.7607, 33.7690



74.3488, 85.6573, 18.5783



18.4309, 18.1557, 20.8862



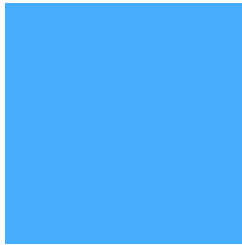
24.1511, 12.1497, 14.7120



2.4066, 1.2050, 1.7223

Previews

White Background



This preview shows how the XYZ color 35.5921, 38.4467, 100.1528 looks on a white background.

Color Contrast Check

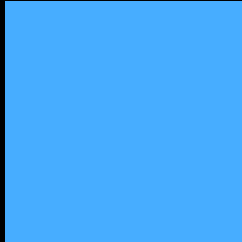
Large Text (above 18pt) WCAG AA × Fail

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 35.5921, 38.4467, 100.1528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

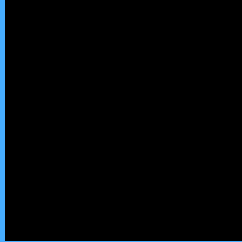
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

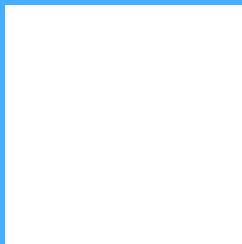
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.5921, 38.4467, 100.1528

Background



This preview shows how black text looks on a background with the XYZ color 35.5921, 38.4467, 100.1528.



This preview shows how white text looks on a background with the XYZ color 35.5921, 38.4467,

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

35.5921, 38.4467, 100.1528

Protanopia

40.0483, 38.1666, 92.4449

Deuteranopia

39.2509, 38.1233, 99.8975



Tritanopia

27.4493, 38.4045, 59.9989

Trichromacy



Original Color

35.5921, 38.4467, 100.1528

Protanomaly

37.7277, 37.9877, 94.9664

Deuteranomaly

37.5321, 38.0500, 99.9740

Tritanomaly

29.5334, 37.9766, 72.7915

Monochromacy



Original Color

35.5921, 38.4467, 100.1528

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.9245, 33.0267, 52.9417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5921, 38.4467, 100.1528 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(71, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(71, 173, 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(71, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.5921, 38.4467, 100.1528 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(71, 173, 255) }
```


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

```
.border{ border-color:rgb(71, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(71, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5921, 38.4467, 100.1528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 173, 255) }
```

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

```
.background{ background-color: rgb(71, 173,  
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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