

Converting Colors

XYZ(35.3920, 39.6813,
100.4016)

Have a look what the booklet for
XYZ(35.3920, 39.6813, 100.4016)
contains.

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Color

**XYZ(35.4917, 39.8451,
100.4280)**

Conversions

Conversions Part 1

Format	Color
Hex	36B2FF
RGB	54, 178, 255
RGB Percent	21%, 70%, 100%
CMY	0.7882, 0.3020, 0.0000
CMYK	0.79, 0.30, 0.00, 0.00
HSL	203°, 100%, 61%
HSV	203°, 79%, 100%
XYZ	35.4917, 39.8451, 100.4280
YIQ	149.7020, -98.6210, -2.3410

Conversions

Conversions Part 2

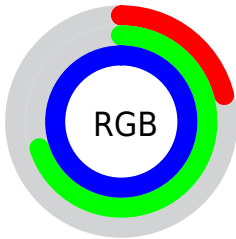
Format	Color
R _Y B	54, 131, 255
Decimal	3584767
CIE Lab	69.36, -7.87, -47.51
CIE LCh	69, 48.160, 260.590
Yxy	39.8451, 0.2019, 0.2267
Android (android.graphics.Color)	4281774847 (0xFF36B2FF)
YUV	149.7020, 51.9119, -83.9307
Hunter-Lab	63.1230, -10.1013, -50.1437

Details

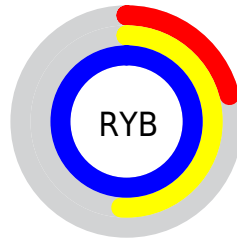
The XYZ color **35.4917, 39.8451, 100.4280** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **50.0245, 37.7630, 8.1445**, and the grayscale version is **28.6830, 30.1767, 32.8625**.

A 20% lighter version of the original color is **56.2422, 70.1650, 105.1867**, and **17.6539, 18.9989, 56.1628** is the 20% darker color. If you saturate the color by 10%, you get **32.5888, 35.5656, 99.7550**, and if you desaturate by 10%, it is **39.2520, 44.7733, 101.1811**.

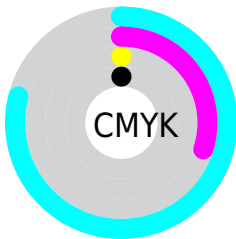
Distribution



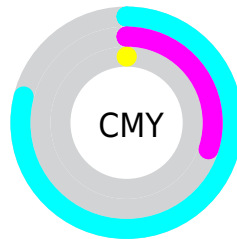
- Red (21%)
- Green (70%)
- Blue (100%)



- Red (21%)
- Yellow (51%)
- Blue (100%)



- Cyan (79%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (79%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4917, 39.8451, 100.4280 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 35.4917, 39.8451, 100.4280 by changing the saturation by 10% instead.

35.4917, 39.8451,
100.4280

35.4917, 39.8451,
100.4280

318.2035,
345.4703, 582.8224

24.2102, 27.4178,
76.0392

67.5758, 74.9276,
163.8022

15.6152, 17.8872,
55.9578

89.1091, 98.3515,
203.6247

9.3414, 10.8691,
39.7653

114.7903,
126.2098, 249.4288

5.0234, 5.9789,
27.0432

144.9849,
158.8869, 301.6330

2.2959, 2.8322,
17.3729

180.0582,
196.7670, 360.6560

0.7926, 1.0448,
10.3360

220.3754,

0.0000, 0.0000,

240.2347, 426.9162

5.5138

266.3021,
289.6743, 500.8321

■ 0.0000, 0.0000,
2.4878

■ 0.0000, 0.0000,
0.8337

■ 35.4917, 39.8451,
100.4280

■ 35.4917, 39.8451,
100.4280

■ 32.5888, 35.5656,
99.7550

■ 39.2520, 44.7733,
101.1811

■ 30.3939, 31.8517,
99.1538

■ 43.9669, 50.4027,
102.0191

■ 30.1592, 31.4383,
99.0864

■ 49.7233, 56.7827,
102.9472

■ 56.5967, 63.9560,
103.9695

■ 64.6550, 71.9614,
105.0900

■ 73.9603, 80.8348,
106.3123

■ 84.5701, 90.6093,
107.6398

■ 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.



29.1929, 39.8451, 85.3130



35.4917, 39.8451, 100.4280



43.3461, 39.8451, 96.7167

Triad

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



35.4917, 39.8451, 100.4280



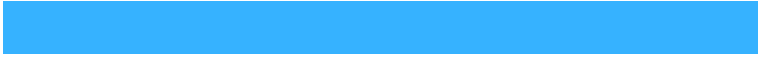
53.5690, 39.8451, 30.0637



27.5042, 39.8451, 21.5732

Complementary

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



35.4917, 39.8451, 100.4280



50.0245, 37.7630, 8.1445

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.



32.8786, 39.8451, 14.4804



35.4917, 39.8451, 100.4280



48.1195, 39.8451, 18.0962

Square

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



35.4917, 39.8451, 100.4280



54.5194, 39.8451, 50.7275



40.3555, 39.8451, 13.4714



25.0130, 39.8451, 36.7867

Rectangle

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



35.4917, 39.8451, 100.4280



48.3952, 39.8451, 84.4313



40.3555, 39.8451, 13.4714



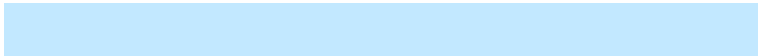
28.9961, 39.8451, 18.4127

Sweetspot

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



35.4930, 39.8464, 100.4282



68.9780, 76.1253, 105.6659



41.1595, 73.8556, 32.4086



14.0737, 15.6305, 22.5252



0.0000, 0.0000, 0.0000



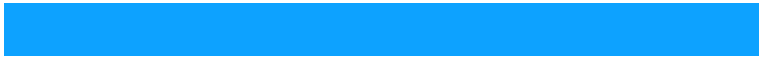
20.3446, 21.4041, 23.3091

Same Dimension

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



35.4930, 39.8464, 100.4282



31.1666, 33.2123, 99.3757



22.5009, 13.8620, 96.0975



17.9362, 19.2440, 23.0191



15.9077, 16.7250, 51.8244



1.6546, 1.8399, 5.0812

Inverse Universe

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



50.5960, 27.1143, 44.6875



47.9195, 24.1570, 36.4094



69.7053, 77.1246, 14.7048



18.4804, 18.1755, 21.1471



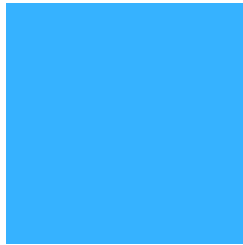
24.8177, 12.4164, 18.2222



2.4698, 1.2303, 2.0553

Previews

White Background



This preview shows how the XYZ color 35.4917, 39.8451, 100.4280 looks on a white background.

Color Contrast Check

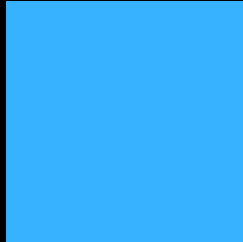
Large Text (above 18pt) WCAG AA × Fail

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 35.4917, 39.8451, 100.4280 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

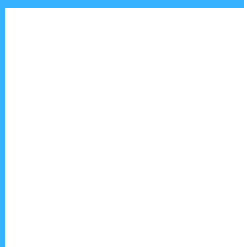
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4917, 39.8451, 100.4280

Background



This preview shows how black text looks on a background with the XYZ color 35.4917, 39.8451, 100.4280.

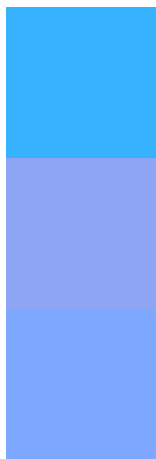


This preview shows how white text looks on a background with the XYZ color 35.4917, 39.8451,

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

35.4917, 39.8451, 100.4280

Protanopia

40.9396, 39.1927, 90.9951

Deuteranopia

40.6568, 39.6609, 100.1202



Tritanopia

28.3129, 39.7577, 61.4401

Trichromacy



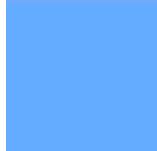
Original Color

35.4917, 39.8451, 100.4280



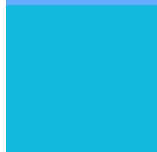
Protanomaly

37.7484, 38.8418, 94.3146



Deuteranomaly

38.0581, 39.4344, 100.2135



Tritanomaly

30.4801, 39.6502, 74.4534

Monochromacy



Original Color

35.4917, 39.8451, 100.4280



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

28.7181, 32.4173, 52.3205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4917, 39.8451, 100.4280 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(54, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 178, 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(54, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.4917, 39.8451, 100.4280 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(54, 178, 255) }
```


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

```
.border{ border-color:rgb(54, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 178,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4917, 39.8451, 100.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 178, 255) }
```

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

```
.background{ background-color: rgb(54, 178,  
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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