

Converting Colors

XYZ(35.2453, 39.5840,
100.3906)

Have a look what the booklet for
XYZ(35.2453, 39.5840, 100.3906)
contains.

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Color

**XYZ(35.3356, 39.7646,
100.4207)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 33B2FF |
| RGB | 51, 178, 255 |
| RGB Percent | 20%, 70%, 100% |
| CMY | 0.7999, 0.3020, 0.0000 |
| CMYK | 0.80, 0.30, 0.00, 0.00 |
| HSL | 203°, 100%, 60% |
| HSV | 203°, 80%, 100% |
| XYZ | 35.3356, 39.7646, 100.4207 |
| YIQ | 148.8050, -100.4090, -2.9770 |

Conversions

Conversions Part 2

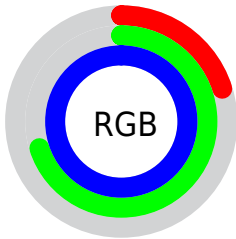
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 51, 129, 255 |
| Decimal | 3388159 |
| CIE Lab | 69.30, -8.15, -47.61 |
| CIE LCh | 69, 48.300, 260.280 |
| Yxy | 39.7646, 0.2013, 0.2266 |
| Android (android.graphics.Color) | 4281578239 (0xFF33B2FF) |
| YUV | 148.8050, 52.3541, -85.7750 |
| Hunter-Lab | 63.0592, -10.3300, -50.2769 |

Details

The XYZ color **35.3356, 39.7646, 100.4207** 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 **49.5592, 36.9416, 7.6524**, and the grayscale version is **28.3052, 29.7792, 32.4296**.

A 20% lighter version of the original color is **56.0910, 70.0870, 105.1796**, and **17.6539, 18.9989, 56.1628** is the 20% darker color. If you saturate the color by 10%, you get **32.5360, 35.5778, 99.7601**, and if you desaturate by 10%, it is **38.9756, 44.5853, 101.1593**.

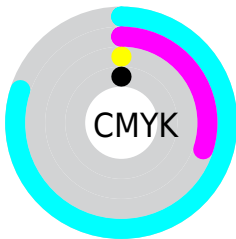
Distribution



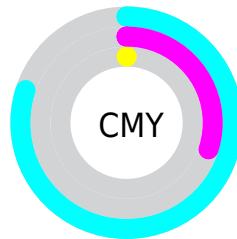
- Red (20%)
- Green (70%)
- Blue (100%)



- Red (20%)
- Yellow (51%)
- Blue (100%)



- Cyan (80%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3356, 39.7646, 100.4207 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 35.3356, 39.7646, 100.4207 by changing the saturation by 10% instead.

■ 35.3356, 39.7646,
100.4207

■ 35.3356, 39.7646,
100.4207

317.5293,
345.1304, 582.7988

■ 24.0892, 27.3551,
76.0331

■ 67.3359, 74.8049,
163.7921

■ 15.5249, 17.8401,
55.9528

■ 88.8206, 98.2045,
203.6130

■ 9.2773, 10.8352,
39.7614

■ 114.4488,
126.0362, 249.4154

■ 4.9811, 5.9561,
27.0402

■ 144.5858,
158.6844, 301.6178

■ 2.2708, 2.8184,
17.3707

179.5970,
196.5335, 360.6388

■ 0.7797, 1.0377,
10.3344

219.8477,

■ 0.0000, 0.0000,

239.9680, 426.8970

5.5127

265.7034,
289.3721, 500.8108

■ 0.0000, 0.0000,
2.4872

■ 0.0000, 0.0000,
0.8333

■ 35.3356, 39.7646,
100.4207

■ 35.3356, 39.7646,
100.4207

■ 32.5360, 35.5778,
99.7601

■ 38.9756, 44.5853,
101.1593

■ 30.4056, 31.9308,
99.1685

■ 43.5553, 50.0934,
101.9811

■ 30.4042, 31.9284,
99.1681

■ 49.1632, 56.3388,
102.8910

■ 55.8755, 63.3646,
103.8934

■ 63.7608, 71.2097,
104.9920

■ 72.8818, 79.9101,
106.1906

■ 83.2964, 89.4990,
107.4926

■ 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.



29.0533, 39.7646, 85.0943



35.3356, 39.7646, 100.4207



43.1963, 39.7646, 96.9024

Triad

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



35.3356, 39.7646, 100.4207



53.5589, 39.7646, 30.1307



27.4570, 39.7646, 21.3577

Complementary

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



35.3356, 39.7646, 100.4207



49.5592, 36.9416, 7.6524

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.



32.8639, 39.7646, 14.3440



35.3356, 39.7646, 100.4207



48.1349, 39.7646, 18.0761

Square

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



35.3356, 39.7646, 100.4207



54.4590, 39.7646, 50.9059



40.3661, 39.7646, 13.3930



24.9329, 39.7646, 36.4866

Rectangle

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



35.3356, 39.7646, 100.4207



48.2659, 39.7646, 84.6749



40.3661, 39.7646, 13.3930



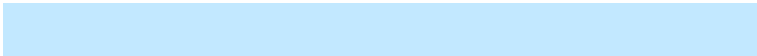
28.9600, 39.7646, 18.2261

Sweetspot

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



35.3369, 39.7659, 100.4209



69.0749, 76.3190, 105.6982



40.8799, 73.7258, 31.7508



14.0970, 15.6772, 22.5330



0.0000, 0.0000, 0.0000



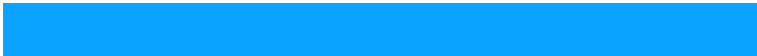
20.3446, 21.4041, 23.3091

Same Dimension

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



35.3369, 39.7659, 100.4209



31.2030, 33.3364, 99.3977



22.1558, 13.4037, 96.0272



17.9451, 19.2617, 23.0220



16.0353, 16.9801, 51.8669



1.6666, 1.8638, 5.0852

Inverse Universe

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



50.4607, 26.8436, 44.6423



47.9253, 24.1112, 36.5881



69.5270, 76.8773, 14.3084



18.4849, 18.1773, 21.1707



24.8821, 12.4421, 18.5612



2.4758, 1.2327, 2.0870

Previews

White Background



This preview shows how the XYZ color 35.3356, 39.7646, 100.4207 looks on a white background.

Color Contrast Check

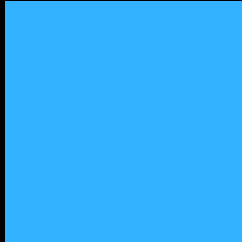
Large Text (above 18pt) WCAG AA × Fail

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 35.3356, 39.7646, 100.4207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

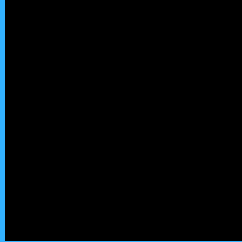
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

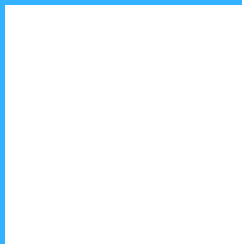
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.3356, 39.7646, 100.4207

Background



This preview shows how black text looks on a background with the XYZ color 35.3356, 39.7646, 100.4207.

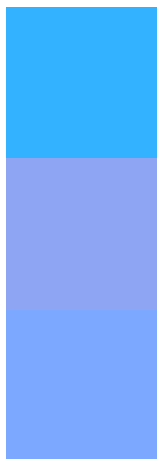


This preview shows how white text looks on a background with the XYZ color 35.3356, 39.7646,

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

35.3356, 39.7646, 100.4207

Protanopia

40.9396, 39.1927, 90.9951

Deuteranopia

40.5101, 39.5852, 100.1133



Tritanopia

28.3129, 39.7577, 61.4401

Trichromacy



Original Color

35.3356, 39.7646, 100.4207

Protanomaly

37.6247, 38.7780, 94.3088

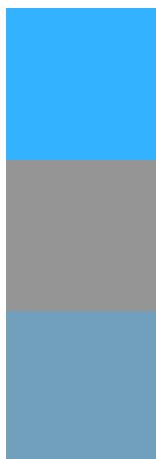
Deuteranomaly

37.8395, 39.3217, 100.2032

Tritanomaly

30.4602, 39.6399, 74.4525

Monochromacy



Original Color

35.3356, 39.7646, 100.4207

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.4580, 32.2832, 52.3083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3356, 39.7646, 100.4207 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, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.3356, 39.7646, 100.4207 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, 178, 255) }
```


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

```
.border{ border-color:rgb(51, 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(51, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 178,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3356, 39.7646, 100.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 178, 255) }
```

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

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