

Converting Colors

XYZ(45.9749, 43.3176,
154.5920)

Have a look what the booklet for
XYZ(45.9749, 43.3176, 154.5920)
contains.

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Color

**XYZ(35.5599, 39.0038,
100.2620)**

Conversions

Conversions Part 1

Format	Color
Hex	41AFFF
RGB	65, 175, 255
RGB Percent	25%, 69%, 100%
CMY	0.7450, 0.3137, 0.0000
CMYK	0.75, 0.31, 0.00, 0.00
HSL	205°, 100%, 63%
HSV	205°, 75%, 100%
XYZ	35.5599, 39.0038, 100.2620
YIQ	151.2300, -91.2400, 1.5600

Conversions

Conversions Part 2

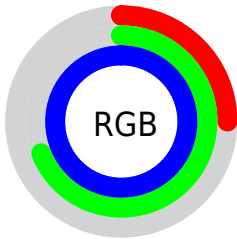
Format	Color
R _{YB}	65, 135, 255
Decimal	4304895
CIE _{Lab}	68.75, -5.04, -48.45
CIE _{LCh}	69, 48.709, 264.066
Yxy	39.0038, 0.2034, 0.2231
Android (android.graphics.Color)	4282494975 (0xFF41AFFF)
YUV	151.2300, 51.1586, -75.6237
Hunter-Lab	62.4530, -7.6573, -51.4670

Details

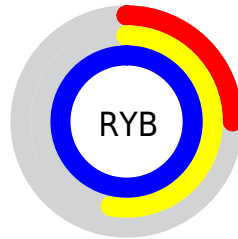
The XYZ color **35.5599, 39.0038, 100.2620** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **52.3216, 41.8959, 10.3321**, and the grayscale version is **29.3317, 30.8593, 33.6057**.

A 20% lighter version of the original color is **56.5002, 69.0479, 104.9574**, and **17.2760, 18.2431, 56.0368** is the 20% darker color. If you saturate the color by 10%, you get **32.2292, 34.3072, 99.5310**, and if you desaturate by 10%, it is **39.8206, 44.4276, 101.0844**.

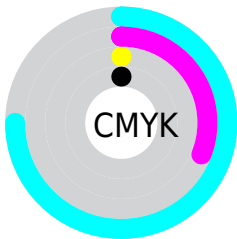
Distribution



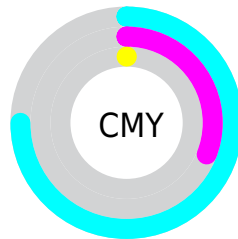
- Red (25%)
- Green (69%)
- Blue (100%)



- Red (25%)
- Yellow (53%)
- Blue (100%)



- Cyan (75%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5599, 39.0038, 100.2620 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 35.5599, 39.0038, 100.2620 by changing the saturation by 10% instead.

■ 35.5599, 39.0038,
100.2620

■ 35.5599, 39.0038,
100.2620

318.4977,
341.9066, 582.2862

■ 24.2630, 26.7627,
75.9013

■ 67.6806, 73.6441,
163.5722

■ 15.6546, 17.3951,
55.8454

■ 89.2351, 96.8121,
203.3587

■ 9.3694, 10.5166,
39.6758

■ 114.9395,
124.3912, 249.1243

■ 5.0419, 5.7428,
26.9740

■ 145.1592,
156.7658, 301.2874

■ 2.3069, 2.6893,
17.3214

180.2595,
194.3202, 360.2666

■ 0.7982, 0.9718,
10.2996

220.6058,

■ 0.0000, 0.0000,

237.4389, 426.4804

5.4898

266.5634,
286.5062, 500.3475

■ 0.0000, 0.0000,
2.4737

■ 0.0000, 0.0000,
0.8262

■ 35.5599, 39.0038,
100.2620

■ 35.5599, 39.0038,
100.2620

■ 32.2292, 34.3072,
99.5310

■ 39.8206, 44.4276,
101.0844

■ 29.7091, 30.2690,
98.8844

■ 45.1018, 50.6292,
102.0030

■ 28.5815, 28.2830,
98.5605

■ 51.4866, 57.6572,
103.0231

■ 59.0478, 65.5544,
104.1489

■ 67.8516, 74.3600,
105.3845

■ 77.9586, 84.1101,
106.7337

■ 89.4257, 94.8387,
108.2002

■ 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.



29.0328, 39.0038, 86.9706



35.5599, 39.0038, 100.2620



43.4537, 39.0038, 94.2450

Triad

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



35.5599, 39.0038, 100.2620



52.3270, 39.0038, 27.3978



26.3148, 39.0038, 22.1031

Complementary

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



35.5599, 39.0038, 100.2620



52.3216, 41.8959, 10.3321

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.



31.3478, 39.0038, 14.2963



35.5599, 39.0038, 100.2620



46.4730, 39.0038, 16.5280

Square

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



35.5599, 39.0038, 100.2620



53.8637, 39.0038, 47.0122



38.6262, 39.0038, 12.6847



24.1922, 39.0038, 38.2275

Rectangle

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



35.5599, 39.0038, 100.2620



48.3710, 39.0038, 80.8762



38.6262, 39.0038, 12.6847



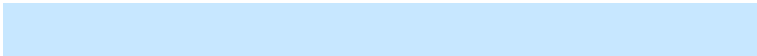
27.6856, 39.0038, 18.6785

Sweetspot

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



35.5612, 39.0050, 100.2622



70.2585, 76.7121, 105.7116



42.9882, 74.6632, 38.6011



14.4812, 15.8751, 22.5509



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.



35.5612, 39.0050, 100.2622



31.0039, 32.4148, 99.2304



23.1618, 14.2061, 96.1290



17.8765, 19.1246, 22.9992



15.0855, 15.0806, 51.5503



1.5770, 1.6847, 5.0553

Inverse Universe

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



50.8691, 28.1373, 43.3085



47.9526, 24.6113, 35.2237



73.1101, 83.4731, 17.2616



18.4503, 18.1634, 20.9885



24.4027, 12.2504, 16.0367



2.4306, 1.2146, 1.8489

Previews

White Background



This preview shows how the XYZ color 35.5599, 39.0038, 100.2620 looks on a white background.

Color Contrast Check

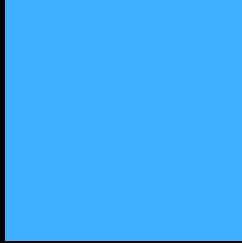
Large Text (above 18pt) WCAG AA × Fail

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 35.5599, 39.0038, 100.2620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

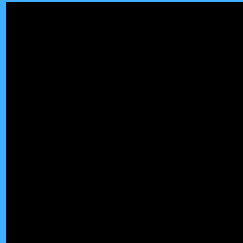
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

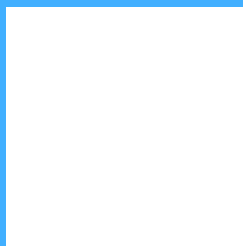
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.5599, 39.0038, 100.2620

Background



This preview shows how black text looks on a background with the XYZ color 35.5599, 39.0038, 100.2620.



This preview shows how white text looks on a background with the XYZ color 35.5599, 39.0038,

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

35.5599, 39.0038, 100.2620

Protanopia

40.5575, 38.6937, 92.5198

Deuteranopia

39.7123, 38.6300, 99.9710



Tritanopia

27.7743, 38.8681, 60.6820

Trichromacy



Original Color

35.5599, 39.0038, 100.2620

Protanomaly

37.7836, 38.2896, 95.0217

Deuteranomaly

37.6048, 38.3626, 100.0305

Tritanomaly

29.8188, 38.4092, 73.5523

Monochromacy



Original Color

35.5599, 39.0038, 100.2620

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.5018, 32.8088, 52.9219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5599, 39.0038, 100.2620 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(65, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(65, 175, 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(65, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 175, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.5599, 39.0038, 100.2620 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(65, 175, 255) }
```


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

```
.border{ border-color:rgb(65, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(65, 175,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5599, 39.0038, 100.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 175, 255) }
```

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

```
.background{ background-color: rgb(65, 175,  
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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