

Converting Colors

XYZ(39.3887, 36.6223,
118.2180)

Have a look what the booklet for
XYZ(39.3887, 36.6223, 118.2180)
contains.

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Color

**XYZ(35.9405, 35.3624,
99.5391)**

Conversions

Conversions Part 1

Format	Color
Hex	63A1FF
RGB	99, 161, 255
RGB Percent	39%, 63%, 100%
CMY	0.6117, 0.3686, 0.0000
CMYK	0.61, 0.37, 0.00, 0.00
HSL	216°, 100%, 69%
HSV	216°, 61%, 100%
XYZ	35.9405, 35.3624, 99.5391
YIQ	153.1780, -67.1260, 16.0900

Conversions

Conversions Part 2

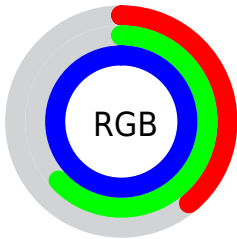
Format	Color
R _Y B	99, 143, 255
Decimal	6529535
CIE Lab	66.03, 7.99, -52.68
CIE LCh	66, 53.278, 278.622
Yxy	35.3624, 0.2104, 0.2070
Android (android.graphics.Color)	4284719615 (0xFF63A1FF)
YUV	153.1780, 50.1982, -47.5141
Hunter-Lab	59.4663, 3.8166, -57.6176

Details

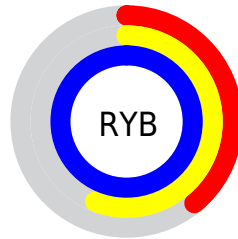
The XYZ color **35.9405, 35.3624, 99.5391** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.5641, 60.3040, 20.1489**, and the grayscale version is **30.1665, 31.7375, 34.5621**.

A 20% lighter version of the original color is **57.0484, 63.3979, 103.8380**, and **15.9070, 15.3002, 55.5409** is the 20% darker color. If you saturate the color by 10%, you get **31.0592, 29.1021, 98.5880**, and if you desaturate by 10%, it is **42.0335, 42.7382, 100.6416**.

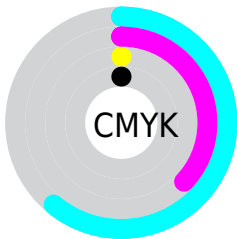
Distribution



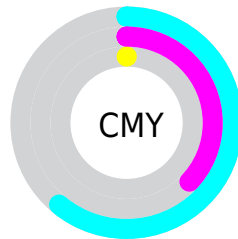
- Red (39%)
- Green (63%)
- Blue (100%)



- Red (39%)
- Yellow (56%)
- Blue (100%)



- Cyan (61%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9405, 35.3624, 99.5391 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 35.9405, 35.3624, 99.5391 by changing the saturation by 10% instead.

■ 35.9405, 35.3624,
99.5391

■ 35.9405, 35.3624,
99.5391

320.1362,
326.1651, 579.9480

■ 24.5581, 23.9422,
75.3009

■ 68.2647, 68.0468,
162.5700

■ 15.8751, 15.2907,
55.3562

■ 89.9372, 90.0798,
202.1998

■ 9.5261, 9.0237,
39.2865

■ 115.7706,
116.4191, 247.7973

■ 5.1458, 4.7566,
26.6731

146.1300,
147.4492, 299.7809

■ 2.3687, 2.1052,
17.0976

181.3809,
183.5544, 358.5693

■ 0.8295, 0.6675,
10.1414

221.8887,

■ 0.0000, 0.0000,

225.1192, 424.5809

5.3860

268.0187,
272.5280, 498.2343

■ 0.0000, 0.0000,
2.4128

■ 0.0000, 0.0000,
0.7934

■ 35.9405, 35.3624,
99.5391

■ 35.9405, 35.3624,
99.5391

■ 31.0592, 29.1021,
98.5880

■ 42.0335, 42.7382,
100.6416

■ 27.2879, 23.8858,
97.7799

■ 49.4205, 51.2873,
101.9024

■ 24.5120, 19.6360,
97.1059

■ 58.1806, 61.0669,
103.3284

■ 22.7368, 16.5936,
96.6123

■ 68.3849, 72.1290,
104.9258

■ 80.0993, 84.5222,
106.7005

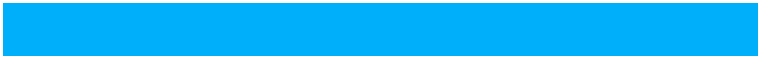
■ 93.3857, 98.2924,
108.6581

■ 95.0500, 100.0000,
108.9000

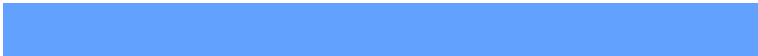
Harmonies

Analogous

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



28.3711, 35.3624, 94.8998



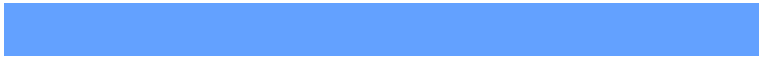
35.9405, 35.3624, 99.5391



44.0145, 35.3624, 83.4878

Triad

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



35.9405, 35.3624, 99.5391



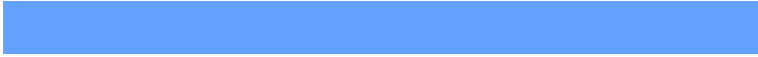
46.9339, 35.3624, 17.2289



21.3549, 35.3624, 24.7203

Complementary

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



35.9405, 35.3624, 99.5391



62.5641, 60.3040, 20.1489

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.



24.9912, 35.3624, 13.5311



35.9405, 35.3624, 99.5391



39.4592, 35.3624, 10.5355

Square

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



35.9405, 35.3624, 99.5391



50.9822, 35.3624, 32.3418



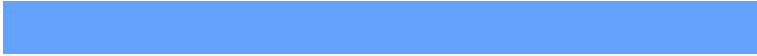
31.3842, 35.3624, 9.5157



20.7156, 35.3624, 45.4023

Rectangle

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



35.9405, 35.3624, 99.5391



48.3230, 35.3624, 65.8954



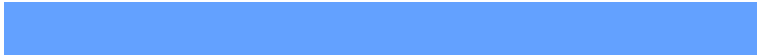
31.3842, 35.3624, 9.5157



22.2364, 35.3624, 20.0001

Sweetspot

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



35.9417, 35.3635, 99.5393



71.9353, 75.9150, 105.4694



50.4880, 78.0057, 62.6161



14.6990, 15.5047, 22.4679



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.



35.9417, 35.3635, 99.5393



30.2904, 28.0732, 98.4299



29.5314, 19.7637, 96.8660



17.5953, 18.5623, 22.9055



12.0163, 8.9422, 50.5273



1.2732, 1.0770, 4.9541

Inverse Universe

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



52.1359, 32.7586, 37.2942



48.3039, 27.4758, 28.6760



73.7447, 90.8416, 25.4540



18.3084, 18.1067, 20.2411



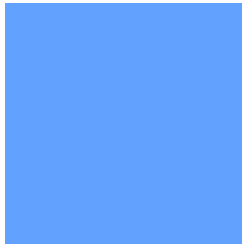
22.8535, 11.6307, 7.8789



2.2772, 1.1533, 1.0414

Previews

White Background



This preview shows how the XYZ color 35.9405, 35.3624, 99.5391 looks on a white background.

Color Contrast Check

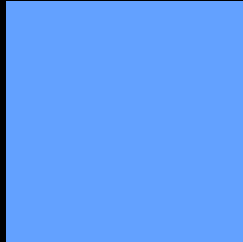
Large Text (above 18pt) WCAG AA × Fail

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 35.9405, 35.3624, 99.5391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

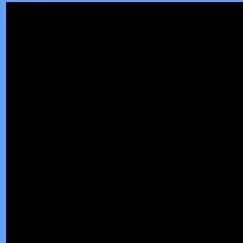
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

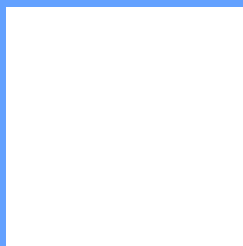
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9405, 35.3624, 99.5391

Background



This preview shows how black text looks on a background with the XYZ color 35.9405, 35.3624, 99.5391.



This preview shows how white text looks on a background with the XYZ color 35.9405, 35.3624,

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

35.9405, 35.3624, 99.5391

Protanopia

37.6132, 35.0271, 96.0453

Deuteranopia

36.4465, 35.3649, 99.5129



Tritanopia

26.8992, 35.5630, 53.5907

Trichromacy



Original Color

35.9405, 35.3624, 99.5391

Protanomaly

36.8678, 35.1268, 96.9325

Deuteranomaly

36.2143, 35.2452, 99.5020

Tritanomaly

29.6094, 35.2158, 68.1875

Monochromacy



Original Color

35.9405, 35.3624, 99.5391

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.8556, 32.4812, 53.3584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9405, 35.3624, 99.5391 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(99, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 161, 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(99, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 161, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.9405, 35.3624, 99.5391 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(99, 161, 255) }
```


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

```
.border{ border-color:rgb(99, 161, 255) }
```

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

Here you see how a box with a 4 pixel rgb(99, 161, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 161,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9405, 35.3624, 99.5391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 161, 255) }
```

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

```
.background{ background-color: rgb(99, 161,  
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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