

Converting Colors

XYZ(36.4406, 35.8669, 99.6101)

Have a look what the booklet for
XYZ(36.4406, 35.8669, 99.6101)
contains.

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Color

**XYZ(36.4498, 35.8854,
99.6132)**

Conversions

Conversions Part 1

Format	Color
Hex	66A2FF
RGB	102, 162, 255
RGB Percent	40%, 64%, 100%
CMY	0.6000, 0.3647, 0.0000
CMYK	0.60, 0.36, 0.00, 0.00
HSL	216°, 100%, 70%
HSV	216°, 60%, 100%
XYZ	36.4498, 35.8854, 99.6132
YIQ	154.6620, -65.6130, 16.2030

Conversions

Conversions Part 2

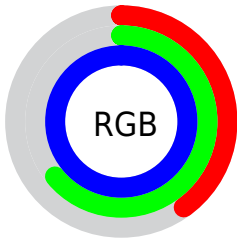
Format	Color
RYB	102, 145, 255
Decimal	6726399
CIELab	66.43, 7.95, -52.03
CIElCh	66, 52.635, 278.690
Yxy	35.8854, 0.2120, 0.2087
Android (android.graphics.Color)	4284916479 (0xFF66A2FF)
YUV	154.6620, 49.4666, -46.1846
Hunter-Lab	59.9044, 3.7784, -56.6584

Details

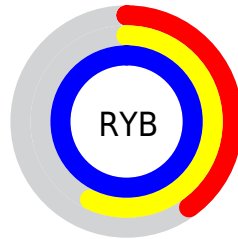
The XYZ color **36.4498, 35.8854, 99.6132** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.1552, 61.2525, 21.0667**, and the grayscale version is **30.8173, 32.4222, 35.3078**.

A 20% lighter version of the original color is **57.7101, 64.1183, 103.9422**, and **16.2084, 15.6167, 55.5861** is the 20% darker color. If you saturate the color by 10%, you get **31.4274, 29.4901, 98.6435**, and if you desaturate by 10%, it is **42.6998, 43.4142, 100.7370**.

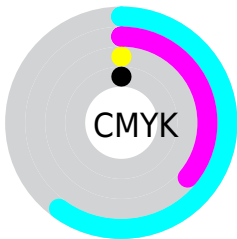
Distribution



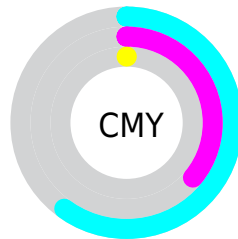
- Red (40%)
- Green (64%)
- Blue (100%)



- Red (40%)
- Yellow (57%)
- Blue (100%)



- Cyan (60%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4498, 35.8854, 99.6132 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 36.4498, 35.8854, 99.6132 by changing the saturation by 10% instead.

■ 36.4498, 35.8854,
99.6132

■ 36.4498, 35.8854,
99.6132

322.3193,
328.4594, 580.1879

■ 24.9535, 24.3457,
75.3625

■ 69.0451, 68.8551,
162.6728

■ 16.1710, 15.5903,
55.4064

■ 90.8748, 91.0540,
202.3187

■ 9.7368, 9.2347,
39.3264

■ 116.8797,
117.5747, 247.9334

■ 5.2857, 4.8946,
26.7039

147.4251,
148.8016, 299.9354

■ 2.4523, 2.1855,
17.1205

182.8765,
185.1191, 358.7434

■ 0.8713, 0.7121,
10.1576

223.5990,

■ 0.0000, 0.0000,

226.9116, 424.7758

5.3966

269.9582,
274.5636, 498.4511

■ 0.0000, 0.0000,
2.4190

■ 0.0000, 0.0000,
0.7968

■ 36.4498, 35.8854,
99.6132

■ 36.4498, 35.8854,
99.6132

■ 31.4274, 29.4901,
98.6435

■ 42.6998, 43.4142,
100.7370

■ 27.5321, 24.1568,
97.8194

■ 50.2590, 52.1343,
102.0217

■ 24.6515, 19.8091,
97.1320

■ 59.2057, 62.1028,
103.4743

■ 22.6072, 16.3343,
96.5691

■ 69.6107, 73.3719,
105.1011

■ 22.6067, 16.3334,
96.5689

■ 81.5398, 85.9905,
106.9080

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.



28.8906, 35.8854, 95.0747



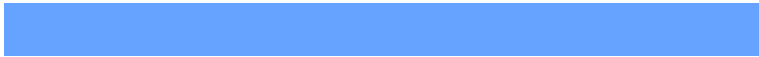
36.4498, 35.8854, 99.6132



44.4878, 35.8854, 83.6960

Triad

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



36.4498, 35.8854, 99.6132



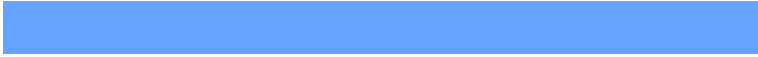
47.3602, 35.8854, 17.7339



21.8457, 35.8854, 25.3248

Complementary

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



36.4498, 35.8854, 99.6132



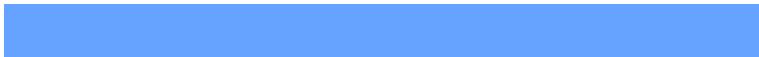
63.1552, 61.2525, 21.0667

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.



25.4830, 35.8854, 14.0399



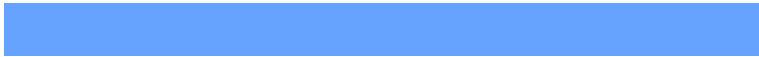
36.4498, 35.8854, 99.6132



39.9185, 35.8854, 10.9789

Square

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



36.4498, 35.8854, 99.6132



51.3933, 35.8854, 32.8744



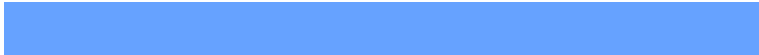
31.8687, 35.8854, 9.9531



21.2111, 35.8854, 46.0058

Rectangle

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



36.4498, 35.8854, 99.6132



48.7667, 35.8854, 66.2529



31.8687, 35.8854, 9.9531



22.7274, 35.8854, 20.5768

Sweetspot

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



36.4511, 35.8865, 99.6134



71.8690, 75.7823, 105.4473



50.9559, 78.2315, 63.3377



14.6829, 15.4725, 22.4626



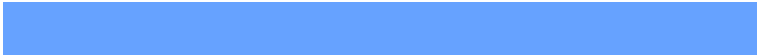
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.4511, 35.8865, 99.6134



30.5600, 28.3389, 98.4670



30.1796, 20.5276, 96.9793



17.5873, 18.5461, 22.9028



11.9473, 8.8042, 50.5043



1.2659, 1.0625, 4.9516

Inverse Universe

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



52.5139, 33.3730, 37.8571



48.5068, 27.8127, 28.9561



73.9924, 90.9524, 26.2282



18.3043, 18.1050, 20.2197



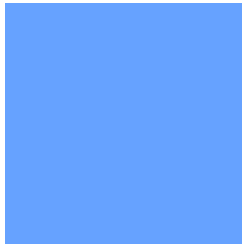
22.8187, 11.6168, 7.6955



2.2736, 1.1518, 1.0221

Previews

White Background



This preview shows how the XYZ color 36.4498, 35.8854, 99.6132 looks on a white background.

Color Contrast Check

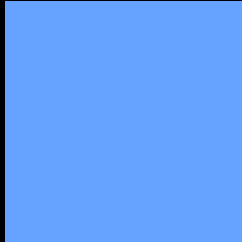
Large Text (above 18pt) WCAG AA × Fail

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 36.4498, 35.8854, 99.6132 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

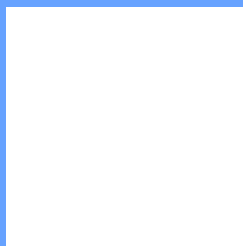
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4498, 35.8854, 99.6132

Background



This preview shows how black text looks on a background with the XYZ color 36.4498, 35.8854, 99.6132.



This preview shows how white text looks on a background with the XYZ color 36.4498, 35.8854,

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

36.4498, 35.8854, 99.6132

Protanopia

38.2436, 35.8544, 96.1717

Deuteranopia

36.9792, 35.8979, 99.5877



Tritanopia

27.3719, 35.7941, 54.1815

Trichromacy



Original Color

36.4498, 35.8854, 99.6132

Protanomaly

37.3049, 35.6065, 97.0020

Deuteranomaly

36.7387, 35.7739, 99.5765

Tritanomaly

30.1685, 35.4893, 68.8784

Monochromacy



Original Color

36.4498, 35.8854, 99.6132

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.7842, 33.4495, 54.0714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4498, 35.8854, 99.6132 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(102, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 162, 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(102, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 162, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.4498, 35.8854, 99.6132 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(102, 162, 255) }
```


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

```
.border{ border-color:rgb(102, 162, 255) }
```

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

Here you see how a box with a 4 pixel rgb(102, 162, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 162,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4498, 35.8854, 99.6132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 162, 255) }
```

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

```
.background{ background-color: rgb(102,  
162, 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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