

Converting Colors

XYZ(36.5065, 35.3046, 99.4981)

Have a look what the booklet for
XYZ(36.5065, 35.3046, 99.4981)
contains.

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Color

**XYZ(36.5647, 35.4258,
99.5184)**

Conversions

Conversions Part 1

Format	Color
Hex	6AA0FF
RGB	106, 160, 255
RGB Percent	42%, 63%, 100%
CMY	0.5843, 0.3725, 0.0000
CMYK	0.58, 0.37, 0.00, 0.00
HSL	218°, 100%, 71%
HSV	218°, 58%, 100%
XYZ	36.5647, 35.4258, 99.5184
YIQ	154.6840, -62.6790, 18.0970

Conversions

Conversions Part 2

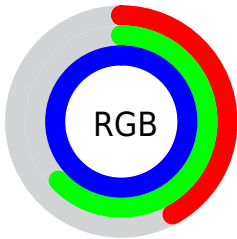
Format	Color
RYB	106, 146, 255
Decimal	6988031
CIELab	66.08, 9.86, -52.58
CIELCh	66, 53.494, 280.618
Yxy	35.4258, 0.2132, 0.2066
Android (android.graphics.Color)	4285178111 (0xFF6AA0FF)
YUV	154.6840, 49.4558, -42.6959
Hunter-Lab	59.5196, 5.4988, -57.4708

Details

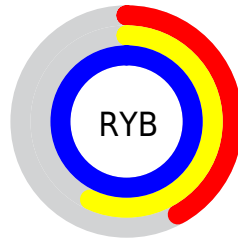
The XYZ color **36.5647, 35.4258, 99.5184** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.7300, 64.0769, 22.5943**, and the grayscale version is **30.8261, 32.4315, 35.3179**.

A 20% lighter version of the original color is **58.0329, 63.5286, 103.8113**, and **16.2573, 15.3216, 55.5266** is the 20% darker color. If you saturate the color by 10%, you get **31.3357, 28.8164, 98.5183**, and if you desaturate by 10%, it is **43.0655, 43.2390, 100.6839**.

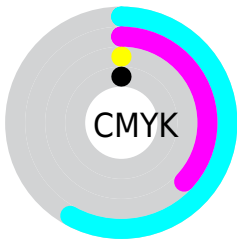
Distribution



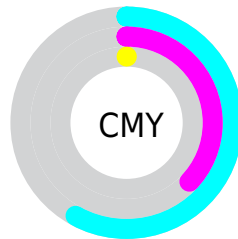
- Red (42%)
- Green (63%)
- Blue (100%)



- Red (42%)
- Yellow (57%)
- Blue (100%)



- Cyan (58%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5647, 35.4258, 99.5184 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 36.5647, 35.4258, 99.5184 by changing the saturation by 10% instead.

■ 36.5647, 35.4258,
99.5184

■ 36.5647, 35.4258,
99.5184

322.8104,
326.4438, 579.8810

■ 25.0428, 23.9911,
75.2838

■ 69.2210, 68.1449,
162.5413

■ 16.2378, 15.3270,
55.3423

■ 91.0860, 90.1980,
202.1666

■ 9.7845, 9.0492,
39.2754

■ 117.1295,
116.5594, 247.7593

■ 5.3175, 4.7733,
26.6645

147.7167,
147.6134, 299.7378

■ 2.4714, 2.1149,
17.0912

183.2131,
183.7445, 358.5206

■ 0.8808, 0.6730,
10.1369

223.9839,

■ 0.0000, 0.0000,

225.3369, 424.5264

5.3830

270.3946,
272.7753, 498.1737

■ 0.0000, 0.0000,
2.4111

■ 0.0000, 0.0000,
0.7925

■ 36.5647, 35.4258,
99.5184

■ 36.5647, 35.4258,
99.5184

■ 31.3357, 28.8164,
98.5183

■ 43.0655, 43.2390,
100.6839

■ 27.2780, 23.3365,
97.6744

■ 50.9202, 52.3169,
102.0221

■ 24.2802, 18.9067,
96.9774

■ 60.2078, 62.7195,
103.5405

■ 22.1893, 15.4242,
96.4154

■ 71.0001, 74.5018,
105.2459

■ 21.9128, 14.9456,
96.3376

■ 83.3635, 87.7156,
107.1448

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.



28.8525, 35.4258, 96.2995



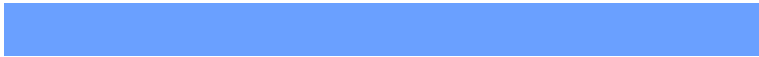
36.5647, 35.4258, 99.5184



44.6255, 35.4258, 82.2146

Triad

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



36.5647, 35.4258, 99.5184



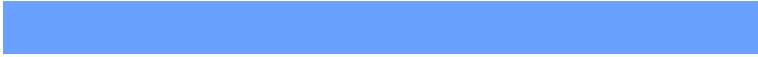
46.6464, 35.4258, 16.5286



21.2205, 35.4258, 25.8011

Complementary

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



36.5647, 35.4258, 99.5184



64.7300, 64.0769, 22.5943

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.



24.6744, 35.4258, 13.9852



36.5647, 35.4258, 99.5184



38.9985, 35.4258, 10.2742

Square

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



36.5647, 35.4258, 99.5184



51.0249, 35.4258, 31.0608



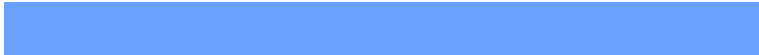
30.9344, 35.4258, 9.5745



20.7795, 35.4258, 47.2074

Rectangle

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



36.5647, 35.4258, 99.5184



48.8107, 35.4258, 64.2603



30.9344, 35.4258, 9.5745



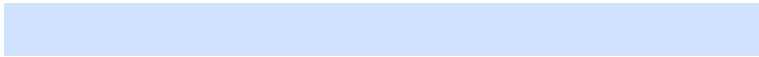
22.0386, 35.4258, 20.8456

Sweetspot

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



36.5659, 35.4269, 99.5186



71.4969, 75.0380, 105.3232



52.1734, 78.7721, 67.3250



14.5928, 15.2924, 22.4326



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.



36.5659, 35.4269, 99.5186



30.6229, 27.8821, 98.3755



31.7904, 21.9557, 97.1701



17.5419, 18.4553, 22.8876



11.5786, 8.0668, 50.3814



1.2268, 0.9842, 4.9386

Inverse Universe

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



52.7402, 34.1078, 37.0623



48.6807, 28.4267, 28.1936



72.6673, 90.2458, 27.2271



18.2814, 18.0959, 20.0990



22.6326, 11.5423, 6.7155



2.2538, 1.1439, 0.9180

Previews

White Background



This preview shows how the XYZ color 36.5647, 35.4258, 99.5184 looks on a white background.

Color Contrast Check

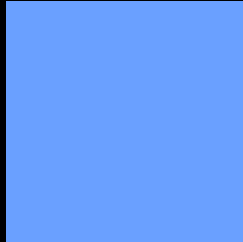
Large Text (above 18pt) WCAG AA × Fail

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 36.5647, 35.4258, 99.5184 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

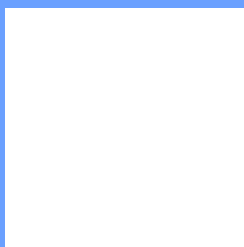
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5647, 35.4258, 99.5184

Background



This preview shows how black text looks on a background with the XYZ color 36.5647, 35.4258, 99.5184.



This preview shows how white text looks on a background with the XYZ color 36.5647, 35.4258,

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

36.5647, 35.4258, 99.5184

Protanopia

37.9398, 35.4273, 96.9340

Deuteranopia

36.4465, 35.3649, 99.5129



Tritanopia

27.3550, 35.5226, 52.9917

Trichromacy



Original Color

36.5647, 35.4258, 99.5184

Protanomaly

37.2926, 35.3275, 97.7819

Deuteranomaly

36.4465, 35.3649, 99.5129

Tritanomaly

30.0961, 35.2041, 67.4962

Monochromacy



Original Color

36.5647, 35.4258, 99.5184

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.7775, 33.1939, 54.0224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5647, 35.4258, 99.5184 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(106, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 160, 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(106, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.5647, 35.4258, 99.5184 is called "border". The border property can be set on classes, ids or directly on the HTML element.

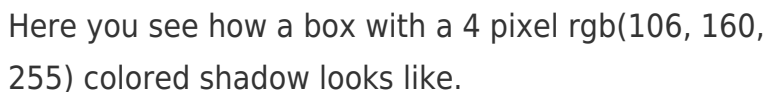
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 160, 255) }
```


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

```
.border{ border-color:rgb(106, 160, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 160, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 160, 255); box-shadow:4px 4px 4px 4px rgb(106, 160, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5647, 35.4258, 99.5184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 160, 255) }
```

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

```
.background{ background-color: rgb(106,  
160, 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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