

Converting Colors

XYZ(46.2066, 38.3767,
149.8443)

Have a look what the booklet for
XYZ(46.2066, 38.3767, 149.8443)
contains.

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Color

**XYZ(36.4940, 34.3764,
99.3196)**

Conversions

Conversions Part 1

Format	Color
Hex	6F9CFF
RGB	111, 156, 255
RGB Percent	44%, 61%, 100%
CMY	0.5647, 0.3882, 0.0000
CMYK	0.56, 0.39, 0.00, 0.00
HSL	221°, 100%, 72%
HSV	221°, 56%, 100%
XYZ	36.4940, 34.3764, 99.3196
YIQ	153.8310, -58.5990, 21.2490

Conversions

Conversions Part 2

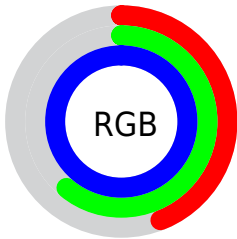
Format	Color
RYB	111, 145, 255
Decimal	7314687
CIELab	65.26, 13.15, -53.86
CIELCh	65, 55.443, 283.721
Yxy	34.3764, 0.2144, 0.2020
Android (android.graphics.Color)	4285504767 (0xFF6F9CFF)
YUV	153.8310, 49.8763, -37.5628
Hunter-Lab	58.6314, 8.4990, -59.3933

Details

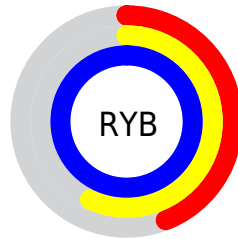
The XYZ color **36.4940, 34.3764, 99.3196** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.1576, 68.5038, 24.7240**, and the grayscale version is **30.4492, 32.0350, 34.8861**.

A 20% lighter version of the original color is **57.8912, 61.9711, 103.5182**, and **16.1995, 14.6726, 55.4044** is the 20% darker color. If you saturate the color by 10%, you get **30.9986, 27.4872, 98.2795**, and if you desaturate by 10%, it is **43.3320, 42.5890, 100.5444**.

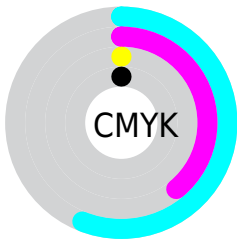
Distribution



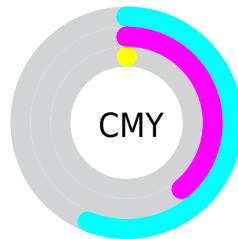
- Red (44%)
- Green (61%)
- Blue (100%)



- Red (44%)
- Yellow (57%)
- Blue (100%)



- Cyan (56%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4940, 34.3764, 99.3196 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 36.4940, 34.3764, 99.3196 by changing the saturation by 10% instead.

■ 36.4940, 34.3764,
99.3196

■ 36.4940, 34.3764,
99.3196

322.5083,
321.8072, 579.2371

■ 24.9878, 23.1829,
75.1187

■ 69.1128, 66.5186,
162.2656

■ 16.1967, 14.7286,
55.2078

■ 90.9561, 88.2360,
201.8477

■ 9.7552, 8.6292,
39.1684

■ 116.9758,
114.2303, 247.3940

■ 5.2979, 4.5001,
26.5819

147.5373,
144.8857, 299.3231

■ 2.4597, 1.9571,
17.0298

183.0060,
180.5868, 358.0533

■ 0.8750, 0.5823,
10.0936

223.7471,

■ 0.0000, 0.0000,

221.7177, 424.0034

5.3546

270.1261,
268.6631, 497.5918

■ 0.0000, 0.0000,
2.3945

■ 0.0000, 0.0000,
0.7834

■ 36.4940, 34.3764,
99.3196

■ 36.4940, 34.3764,
99.3196

■ 30.9986, 27.4872,
98.2795

■ 43.3320, 42.5890,
100.5444

■ 26.7438, 21.8406,
97.4138

■ 51.5968, 52.1923,
101.9624

■ 23.6173, 17.3503,
96.7119

■ 61.3696, 63.2524,
103.5822

■ 21.4805, 13.9137,
96.1612

■ 72.7241, 75.8301,
105.4115

■ 20.8954, 12.9108,
95.9985

■ 85.7292, 89.9825,
107.4577

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.



28.5146, 34.3764, 98.3391



36.4940, 34.3764, 99.3196



44.6135, 34.3764, 79.6045

Triad

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



36.4940, 34.3764, 99.3196



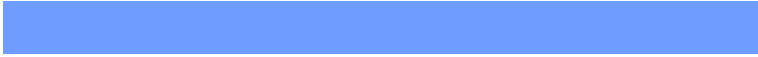
45.2189, 34.3764, 14.3521



19.9284, 34.3764, 26.3048

Complementary

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



36.4940, 34.3764, 99.3196



67.1576, 68.5038, 24.7240

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.



23.0804, 34.3764, 13.6246



36.4940, 34.3764, 99.3196



37.2188, 34.3764, 8.9266

Square

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



36.4940, 34.3764, 99.3196



50.1833, 34.3764, 27.8482



29.1298, 34.3764, 8.7307



19.7998, 34.3764, 48.9906

Rectangle

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



36.4940, 34.3764, 99.3196



48.6540, 34.3764, 60.7517



29.1298, 34.3764, 8.7307



20.6426, 34.3764, 21.0021

Sweetspot

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



36.4952, 34.3775, 99.3198



72.0788, 75.1215, 105.3087



53.8750, 79.5234, 73.0931



14.9154, 15.5152, 22.4585



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.



36.4952, 34.3775, 99.3198



30.2687, 26.5434, 98.1358



34.1184, 23.9432, 97.4310



17.4661, 18.3037, 22.8624



11.0349, 6.9794, 50.2001



1.1671, 0.8648, 4.9187

Inverse Universe

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



52.9261, 35.0308, 35.4254



48.6558, 29.0059, 26.2462



70.8157, 89.2604, 28.5376



18.2431, 18.0806, 19.8975



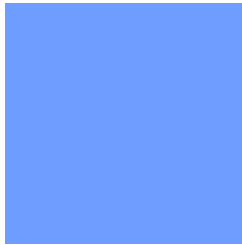
22.3581, 11.4325, 5.2703



2.2237, 1.1318, 0.7594

Previews

White Background



This preview shows how the XYZ color 36.4940, 34.3764, 99.3196 looks on a white background.

Color Contrast Check

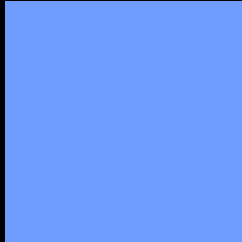
Large Text (above 18pt) WCAG AA × Fail

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 36.4940, 34.3764, 99.3196 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

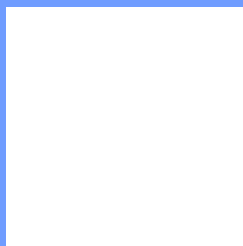
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.4940, 34.3764, 99.3196

Background



This preview shows how black text looks on a background with the XYZ color 36.4940, 34.3764, 99.3196.



This preview shows how white text looks on a background with the XYZ color 36.4940, 34.3764,

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

36.4940, 34.3764, 99.3196

Protanopia

37.0527, 34.1889, 98.4122

Deuteranopia

35.3718, 34.3188, 98.5258



Tritanopia

26.9760, 34.5134, 51.1389

Trichromacy



Original Color

36.4940, 34.3764, 99.3196

Protanomaly

36.8132, 34.3115, 98.4484

Deuteranomaly

35.6553, 34.2128, 98.4904

Tritanomaly

29.8852, 34.3053, 66.0192

Monochromacy



Original Color

36.4940, 34.3764, 99.3196

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.6065, 32.6076, 53.9183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4940, 34.3764, 99.3196 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(111, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(111, 156, 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(111, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 156, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.4940, 34.3764, 99.3196 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(111, 156, 255) }
```


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

```
.border{ border-color:rgb(111, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(111, 156,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4940, 34.3764, 99.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 156, 255) }
```

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

```
.background{ background-color: rgb(111,  
156, 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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