

Converting Colors

XYZ(41.1195, 36.8511,
126.5700)

Have a look what the booklet for
XYZ(41.1195, 36.8511, 126.5700)
contains.

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Color

**XYZ(36.0417, 34.8998,
99.4445)**

Conversions

Conversions Part 1

Format	Color
Hex	679FFF
RGB	103, 159, 255
RGB Percent	40%, 62%, 100%
CMY	0.5960, 0.3765, 0.0000
CMYK	0.60, 0.38, 0.00, 0.00
HSL	218°, 100%, 70%
HSV	218°, 60%, 100%
XYZ	36.0417, 34.8998, 99.4445
YIQ	153.2000, -64.1920, 17.9840

Conversions

Conversions Part 2

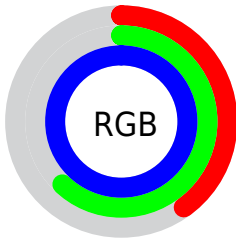
Format	Color
RYB	103, 144, 255
Decimal	6791167
CIELab	65.67, 9.87, -53.23
CIElCh	66, 54.142, 280.509
Yxy	34.8998, 0.2115, 0.2048
Android (android.graphics.Color)	4284981247 (0xFF679FFF)
YUV	153.2000, 50.1874, -44.0254
Hunter-Lab	59.0761, 5.5179, -58.4514

Details

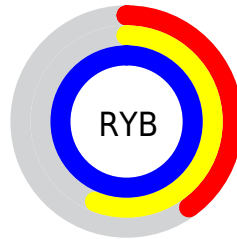
The XYZ color **36.0417, 34.8998, 99.4445** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.1136, 63.0895, 21.6326**, and the grayscale version is **30.1751, 31.7466, 34.5720**.

A 20% lighter version of the original color is **57.1541, 62.7010, 103.6979**, and **15.9565, 15.0090, 55.4821** is the 20% darker color. If you saturate the color by 10%, you get **30.9586, 28.4326, 98.4641**, and if you desaturate by 10%, it is **42.3797, 42.5506, 100.5872**.

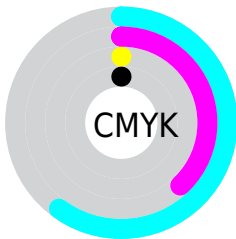
Distribution



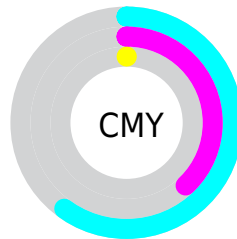
- Red (40%)
- Green (62%)
- Blue (100%)



- Red (40%)
- Yellow (56%)
- Blue (100%)



- Cyan (60%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0417, 34.8998, 99.4445 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 36.0417, 34.8998, 99.4445 by changing the saturation by 10% instead.

■ 36.0417, 34.8998,
99.4445

■ 36.0417, 34.8998,
99.4445

320.5708,
324.1258, 579.6417

■ 24.6367, 23.5857,
75.2224

■ 68.4199, 67.3305,
162.4388

■ 15.9338, 15.0266,
55.2923

■ 90.1237, 89.2159,
202.0481

■ 9.5679, 8.8380,
39.2356

■ 115.9912,
115.3939, 247.6235

■ 5.1735, 4.6357,
26.6338

146.3877,
146.2488, 299.5836

■ 2.3852, 2.0351,
17.0684

181.6786,
182.1650, 358.3469

■ 0.8377, 0.6278,
10.1208

222.2291,

■ 0.0000, 0.0000,

223.5270, 424.3320

5.3725

268.4048,
270.7192, 497.9574

■ 0.0000, 0.0000,
2.4049

■ 0.0000, 0.0000,
0.7891

■ 36.0417, 34.8998,
99.4445

■ 36.0417, 34.8998,
99.4445

■ 30.9586, 28.4326,
98.4641

■ 42.3797, 42.5506,
100.5872

■ 27.0289, 23.0748,
97.6370

■ 50.0555, 51.4456,
101.8995

■ 24.1391, 18.7464,
96.9539

■ 59.1485, 61.6450,
103.3890

■ 22.1169, 15.3351,
96.4020

■ 69.7307, 73.2032,
105.0622

■ 22.0475, 15.2149,
96.3825

■ 81.8688, 86.1717,
106.9256

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.



28.3220, 34.8998, 96.1084



36.0417, 34.8998, 99.4445



44.1393, 34.8998, 82.0188

Triad

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



36.0417, 34.8998, 99.4445



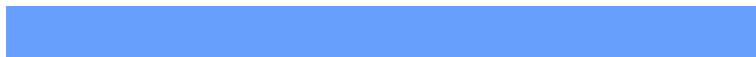
46.2217, 34.8998, 16.0467



20.7338, 34.8998, 25.1705

Complementary

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



36.0417, 34.8998, 99.4445



64.1136, 63.0895, 21.6326

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.



24.1896, 34.8998, 13.4666



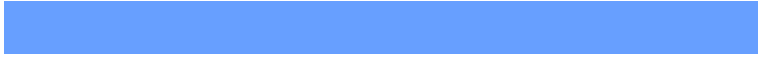
36.0417, 34.8998, 99.4445



38.5446, 34.8998, 9.8467

Square

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



36.0417, 34.8998, 99.4445



50.6102, 34.8998, 30.5530



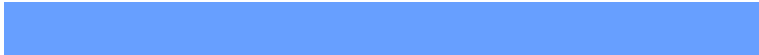
30.4573, 34.8998, 9.1420



20.2836, 34.8998, 46.5682

Rectangle

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



36.0417, 34.8998, 99.4445



48.3565, 34.8998, 63.9209



30.4573, 34.8998, 9.1420



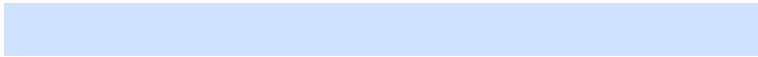
21.5529, 34.8998, 20.2481

Sweetspot

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



36.0429, 34.9009, 99.4446



71.5717, 75.1877, 105.3482



51.4024, 78.4232, 65.0933



14.6109, 15.3286, 22.4386



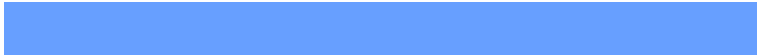
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.0429, 34.9009, 99.4446



29.9160, 27.0509, 98.2523



30.7500, 20.9685, 97.0344



17.5510, 18.4736, 22.8907



11.6503, 8.2102, 50.4053



1.2344, 0.9996, 4.9411

Inverse Universe

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



52.3493, 33.4655, 36.5020



48.1817, 27.6827, 27.2443



73.2231, 90.5501, 26.4529



18.2860, 18.0977, 20.1233



22.6687, 11.5568, 6.9060



2.2577, 1.1455, 0.9384

Previews

White Background



This preview shows how the XYZ color 36.0417, 34.8998, 99.4445 looks on a white background.

Color Contrast Check

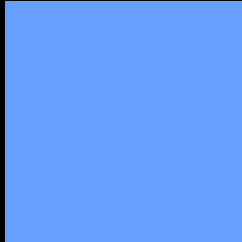
Large Text (above 18pt) WCAG AA × Fail

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 36.0417, 34.8998, 99.4445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

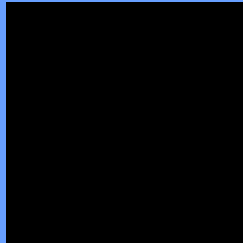
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

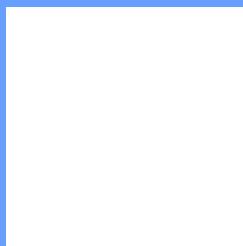
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0417, 34.8998, 99.4445

Background



This preview shows how black text looks on a background with the XYZ color 36.0417, 34.8998, 99.4445.



This preview shows how white text looks on a background with the XYZ color 36.0417, 34.8998,

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

36.0417, 34.8998, 99.4445

Protanopia

37.4852, 34.9428, 96.8644

Deuteranopia

35.9276, 34.8411, 99.4391



Tritanopia

26.6609, 34.8915, 52.3433

Trichromacy



Original Color

36.0417, 34.8998, 99.4445

Protanomaly

36.8568, 34.8506, 97.7128

Deuteranomaly

35.9276, 34.8411, 99.4391

Tritanomaly

29.5425, 34.6435, 67.4172

Monochromacy



Original Color

36.0417, 34.8998, 99.4445

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.0073, 32.3113, 53.3176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0417, 34.8998, 99.4445 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(103, 159, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 159, 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(103, 159, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 159, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.0417, 34.8998, 99.4445 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(103, 159, 255) }
```


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

```
.border{ border-color:rgb(103, 159, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 159, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 159, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 159, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 159,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0417, 34.8998, 99.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 159, 255) }
```

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

```
.background{ background-color: rgb(103,  
159, 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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