

Converting Colors

XYZ(33.9690, 34.2114, 87.4245)

Have a look what the booklet for
XYZ(33.9690, 34.2114, 87.4245)
contains.

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Color

**XYZ(33.8352, 34.0306,
87.2233)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 689FF0 |
| RGB | 104, 159, 240 |
| RGB Percent | 41%, 62%, 94% |
| CMY | 0.5921, 0.3765, 0.0588 |
| CMYK | 0.57, 0.34, 0.00, 0.06 |
| HSL | 216°, 82%, 67% |
| HSV | 216°, 57%, 94% |
| XYZ | 33.8352, 34.0306, 87.2233 |
| YIQ | 151.7890, -58.7810, 13.5310 |

Conversions

Conversions Part 2

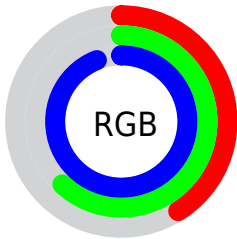
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 104, 143, 240 |
| Decimal | 6856688 |
| CIE Lab | 64.99, 5.28, -46.11 |
| CIE LCh | 65, 46.415, 276.532 |
| Yxy | 34.0306, 0.2182, 0.2194 |
| Android (android.graphics.Color) | 4285046768 (0xFF689FF0) |
| YUV | 151.7890, 43.4880, -41.9110 |
| Hunter-Lab | 58.3358, 1.4439, -47.8151 |

Details

The XYZ color **33.8352, 34.0306, 87.2233** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **55.7845, 54.2251, 20.6247**, and the grayscale version is **29.5921, 31.1332, 33.9041**.

A 20% lighter version of the original color is **56.9485, 62.5950, 103.6883**, and **14.7074, 14.5431, 47.3793** is the 20% darker color. If you saturate the color by 10%, you get **29.1179, 28.1586, 86.3392**, and if you desaturate by 10%, it is **39.6319, 40.8821, 88.2409**.

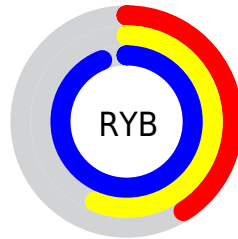
Distribution



Red (41%)

Green (62%)

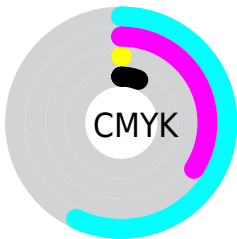
Blue (94%)



Red (41%)

Yellow (56%)

Blue (94%)

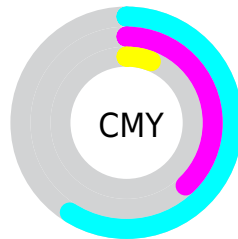


Cyan (57%)

Magenta (34%)

Yellow (0%)

Black (6%)



Cyan (59%)

Magenta (38%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8352, 34.0306, 87.2233 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 33.8352, 34.0306, 87.2233 by changing the saturation by 10% instead.

■ 33.8352, 34.0306,
87.2233

■ 33.8352, 34.0306,
87.2233

310.9955,
320.2685, 539.2916

■ 22.9293, 22.9171,
65.1193

■ 65.0233, 65.9813,
145.3770

■ 14.6617, 14.5323,
47.1059

■ 86.0362, 87.5872,
182.2637

■ 8.6671, 8.4918,
32.7644

■ 111.1489,
113.4594, 224.9152

■ 4.5800, 4.4112,
21.6764

140.7266,
143.9823, 273.7499

■ 2.0352, 1.9062,
13.4233

175.1348,
179.5403, 329.1863

■ 0.6536, 0.5521,
7.5865

214.7387,

■ 0.0000, 0.0000,

220.5177, 391.6430

3.7476

259.9038,
267.2990, 461.5386

■ 0.0000, 0.0000,
1.4879

■ 0.0000, 0.0000,
0.2089

■ 33.8352, 34.0306,
87.2233

■ 33.8352, 34.0306,
87.2233

■ 29.1179, 28.1586,
86.3392

■ 39.6319, 40.8821,
88.2409

■ 25.3972, 23.2076,
85.5797

■ 46.5744, 48.7594,
89.3955

■ 22.5832, 19.1166,
84.9383

■ 54.7280, 57.7097,
90.6933

■ 20.5626, 15.8112,
84.4068

■ 64.1516, 67.7758,
92.1396

■ 20.0081, 14.8510,
84.2507

■ 74.9000, 78.9980,
93.7392

■ 87.0248, 91.4144,
95.4968

■ 92.7283, 99.0713,
96.6741

Harmonies

Analogous

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



27.4743, 34.0306, 82.3336



33.8352, 34.0306, 87.2233



40.6494, 34.0306, 75.3809

Triad

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



33.8352, 34.0306, 87.2233



43.8593, 34.0306, 19.1229



21.8948, 34.0306, 24.2005

Complementary

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



33.8352, 34.0306, 87.2233



55.7845, 54.2251, 20.6247

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.



25.2565, 34.0306, 14.5870



33.8352, 34.0306, 87.2233



37.7600, 34.0306, 12.4435

Square

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



33.8352, 34.0306, 87.2233



46.9314, 34.0306, 33.0068



30.8993, 34.0306, 11.1317



21.1454, 34.0306, 41.4182

Rectangle

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



33.8352, 34.0306, 87.2233



44.3460, 34.0306, 61.3944



30.8993, 34.0306, 11.1317



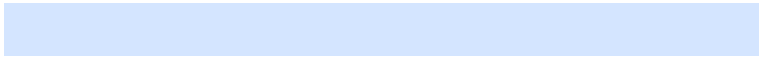
22.7317, 34.0306, 20.1835

Sweetspot

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



33.8365, 34.0318, 87.2241



73.1699, 77.3037, 105.6724



45.4523, 68.6970, 55.8479



15.1716, 16.0275, 22.5439



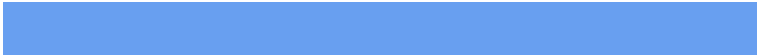
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.8365, 34.0318, 87.2241



32.6782, 31.3624, 98.9390



27.7942, 19.8611, 84.8074



15.4220, 16.2781, 20.0508



11.0752, 8.3746, 46.1606



1.0165, 0.8869, 3.8718

Inverse Universe

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



47.1446, 30.9306, 36.2873



49.8720, 29.4923, 32.6508



65.8666, 79.9237, 25.0537



16.0377, 15.8648, 17.7548



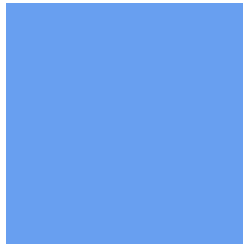
20.9159, 10.6388, 7.4734



1.7880, 0.9043, 0.8745

Previews

White Background



This preview shows how the XYZ color 33.8352, 34.0306, 87.2233 looks on a white background.

Color Contrast Check

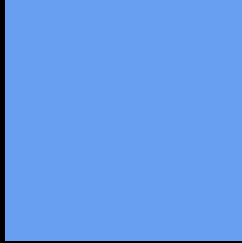
Large Text (above 18pt) WCAG AA × Fail

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 33.8352, 34.0306, 87.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

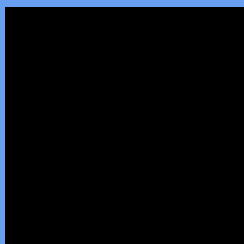
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

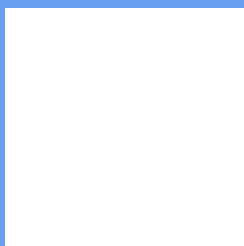
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8352, 34.0306, 87.2233

Background



This preview shows how black text looks on a background with the XYZ color 33.8352, 34.0306, 87.2233.



This preview shows how white text looks on a background with the XYZ color 33.8352, 34.0306,

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

33.8352, 34.0306, 87.2233

Protanopia

35.7492, 33.8345, 84.0034

Deuteranopia

35.1366, 34.1778, 87.9642



Tritanopia

26.5061, 34.0040, 50.5138

Trichromacy



Original Color

33.8352, 34.0306, 87.2233

Protanomaly

34.9203, 33.8844, 84.8206

Deuteranomaly

34.7861, 34.2493, 87.9964

Tritanomaly

28.7518, 33.8057, 62.1365

Monochromacy



Original Color

33.8352, 34.0306, 87.2233

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.3647, 32.0543, 49.9341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8352, 34.0306, 87.2233 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(104, 159, 240)` looks like.

```
.text, #text, p{  
    color:rgb(104, 159, 240)  
}
```

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(104, 159, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 159, 240) }
```

Border

The CSS property to change the border of an element to XYZ 33.8352, 34.0306, 87.2233 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(104, 159, 240) }
```


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

```
.border{ border-color:rgb(104, 159, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 159, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 159, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 159, 240);  
box-shadow:4px 4px 4px 4px rgb(104, 159,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8352, 34.0306, 87.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 159, 240) }
```

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

```
.background{ background-color: rgb(104,  
159, 240) }
```

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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