

Converting Colors

XYZ(34.5068, 32.3002, 84.4997)

Have a look what the booklet for
XYZ(34.5068, 32.3002, 84.4997)
contains.

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Color

**XYZ(34.5046, 32.2122,
84.5198)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7C96ED |
| RGB | 124, 150, 237 |
| RGB Percent | 49%, 59%, 93% |
| CMY | 0.5137, 0.4118, 0.0706 |
| CMYK | 0.48, 0.37, 0.00, 0.07 |
| HSL | 226°, 76%, 71% |
| HSV | 226°, 48%, 93% |
| XYZ | 34.5046, 32.2122, 84.5198 |
| YIQ | 152.1440, -43.4230, 21.5450 |

Conversions

Conversions Part 2

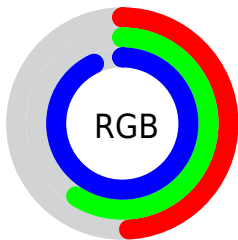
| Format | Color |
|-------------------------------------|---|
| RYB | 124, 145, 237 |
| Decimal | 8165101 |
| CIELab | 63.52, 13.93, -46.71 |
| CIELCh | 64, 48.742, 286.611 |
| Yxy | 32.2122, 0.2281, 0.2130 |
| Android (android.graphics.Color) | 4286355181 (0xFF7C96ED) |
| YUV | 152.1440, 41.8340, -24.6823 |
| Hunter-Lab | 56.7558, 9.1962, -48.5646 |

Details

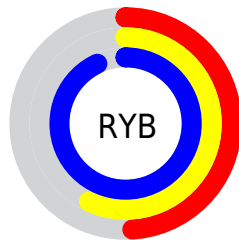
The XYZ color **34.5046, 32.2122, 84.5198** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.8590, 66.0505, 28.5592**, and the grayscale version is **29.7468, 31.2959, 34.0812**.

A 20% lighter version of the original color is **58.6989, 60.2295, 103.1394**, and **15.1444, 13.6088, 45.5446** is the 20% darker color. If you saturate the color by 10%, you get **28.7936, 25.2773, 83.4829**, and if you desaturate by 10%, it is **41.4944, 40.4804, 85.7480**.

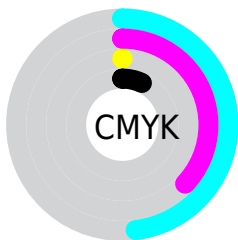
Distribution



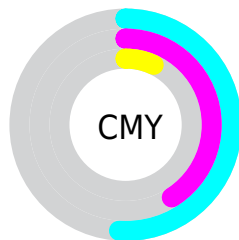
- Red (49%)
- Green (59%)
- Blue (93%)



- Red (49%)
- Yellow (57%)
- Blue (93%)



- Cyan (48%)
- Magenta (37%)
- Yellow (0%)
- Black (7%)



- Cyan (51%)
- Magenta (41%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5046, 32.2122, 84.5198 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 34.5046, 32.2122, 84.5198 by changing the saturation by 10% instead.

■ 34.5046, 32.2122,
84.5198

■ 34.5046, 32.2122,
84.5198

313.9227,
312.0848, 530.1409

■ 23.4462, 21.5236,
62.8968

■ 66.0567, 63.1436,
141.5703

■ 15.0459, 13.5073,
45.3173

■ 87.2811, 84.1552,
177.8348

■ 8.9381, 7.7788,
31.3626

■ 112.6250,
109.3767, 219.8170

■ 4.7576, 3.9537,
20.6144

142.4536,
139.1923, 267.9353

■ 2.1390, 1.6477,
12.6539

177.1323,
173.9865, 322.6083

■ 0.7103, 0.3895,
7.0628

217.0265,

■ 0.0000, 0.0000,

214.1438, 384.2545

3.4223

262.5015,
260.0484, 453.2925

■ 0.0000, 0.0000,
1.3141

■ 0.0000, 0.0000,
0.0733

■ 34.5046, 32.2122,
84.5198

■ 34.5046, 32.2122,
84.5198

■ 28.7936, 25.2773,
83.4829

■ 41.4944, 40.4804,
85.7480

■ 24.2769, 19.5997,
82.6250

■ 49.8330, 50.1456,
87.1740

■ 20.8651, 15.1001,
81.9364

■ 59.5893, 61.2711,
88.8073

■ 18.4535, 11.6882,
81.4049

■ 70.8266, 73.9153,
90.6556

■ 16.9070, 9.2538,
81.0165

■ 83.6041, 88.1336,
92.7265

■ 16.6300, 8.8021,
80.9439

■ 92.2862, 98.8945,
94.3460

Harmonies

Analogous

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



27.6906, 32.2122, 85.5021



34.5046, 32.2122, 84.5198



41.1236, 32.2122, 67.5578

Triad

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



34.5046, 32.2122, 84.5198



40.4946, 32.2122, 14.3075



19.5868, 32.2122, 27.1049

Complementary

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



34.5046, 32.2122, 84.5198



61.8590, 66.0505, 28.5592

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.



22.0718, 32.2122, 15.1412



34.5046, 32.2122, 84.5198



33.7420, 32.2122, 9.8175

Square

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



34.5046, 32.2122, 84.5198



44.9166, 32.2122, 25.4297



27.0325, 32.2122, 10.0523



19.7282, 32.2122, 46.8912

Rectangle

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



34.5046, 32.2122, 84.5198



44.2381, 32.2122, 52.1179



27.0325, 32.2122, 10.0523



20.1249, 32.2122, 22.2209

Sweetspot

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



34.5058, 32.2133, 84.5206



74.9635, 77.5462, 105.6246



50.3096, 69.5392, 72.1593



15.4504, 15.9267, 22.5098



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.



34.5058, 32.2133, 84.5206



34.2730, 30.1848, 98.6276



35.8471, 27.4146, 83.5236



14.5124, 15.1112, 19.0741



9.1614, 4.9698, 44.2194



0.7907, 0.5329, 3.4961

Inverse Universe

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



47.6388, 34.6234, 33.0272



51.7430, 34.3224, 29.9204



59.6183, 75.2708, 30.4570



15.2074, 15.1108, 16.3776



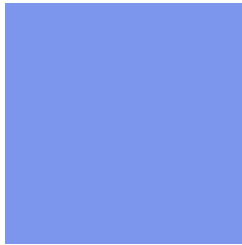
19.4795, 9.9945, 3.0606



1.5656, 0.7992, 0.4299

Previews

White Background



This preview shows how the XYZ color 34.5046, 32.2122, 84.5198 looks on a white background.

Color Contrast Check

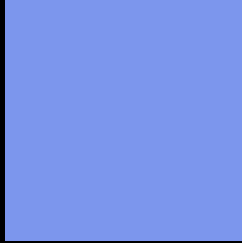
Large Text (above 18pt) WCAG AA × Fail

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 34.5046, 32.2122, 84.5198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

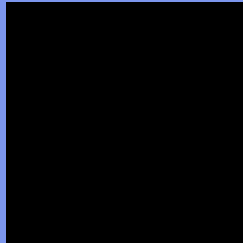
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5046, 32.2122, 84.5198

Background



This preview shows how black text looks on a background with the XYZ color 34.5046, 32.2122, 84.5198.



This preview shows how white text looks on a background with the XYZ color 34.5046, 32.2122,

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

34.5046, 32.2122, 84.5198

Protanopia

34.2184, 32.0647, 84.5064

Deuteranopia

33.0871, 32.2181, 83.8317



Tritanopia

26.8775, 32.3931, 45.9102

Trichromacy



Original Color

34.5046, 32.2122, 84.5198

Protanomaly

34.3608, 32.1381, 84.5130

Deuteranomaly

33.5710, 32.2256, 83.8077

Tritanomaly

29.2300, 32.0416, 58.0702

Monochromacy



Original Color

34.5046, 32.2122, 84.5198

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.7692, 31.3029, 49.2201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5046, 32.2122, 84.5198 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(124, 150, 237)` looks like.

```
.text, #text, p{  
    color:rgb(124, 150, 237)  
}
```

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(124, 150, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 150, 237) }
```

Border

The CSS property to change the border of an element to XYZ 34.5046, 32.2122, 84.5198 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(124, 150, 237) }
```


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

```
.border{ border-color:rgb(124, 150, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 150, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 150, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 150, 237);  
box-shadow:4px 4px 4px 4px rgb(124, 150,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5046, 32.2122, 84.5198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 150, 237) }
```

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

```
.background{ background-color: rgb(124,  
150, 237) }
```

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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