

Converting Colors

XYZ(31.7941, 34.5804, 85.8931)

Have a look what the booklet for
XYZ(31.7941, 34.5804, 85.8931)
contains.

| | |
|--|----|
| XYZ(31.7894, 34.5792, 85.8879) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(31.7894, 34.5792,
85.8879)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 4BA5EE |
| RGB | 75, 165, 238 |
| RGB Percent | 29%, 65%, 93% |
| CMY | 0.7058, 0.3529, 0.0667 |
| CMYK | 0.68, 0.31, 0.00, 0.07 |
| HSL | 207°, 83%, 61% |
| HSV | 207°, 68%, 93% |
| XYZ | 31.7894, 34.5792, 85.8879 |
| YIQ | 146.4120, -77.0730, 3.6230 |

Conversions

Conversions Part 2

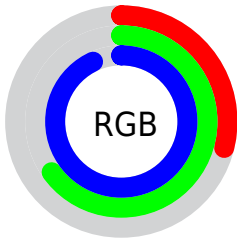
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 75, 133, 238 |
| Decimal | 4957678 |
| CIE Lab | 65.42, -3.88, -44.41 |
| CIE LCh | 65, 44.584, 265.012 |
| Yxy | 34.5792, 0.2088, 0.2271 |
| Android (android.graphics.Color) | 4283147758 (0xFF4BA5EE) |
| YUV | 146.4120, 45.1529, -62.6283 |
| Hunter-Lab | 58.8041, -6.4103, -45.4348 |

Details

The XYZ color **31.7894, 34.5792, 85.8879** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **47.1218, 39.8680, 11.8701**, and the grayscale version is **27.3353, 28.7589, 31.3184**.

A 20% lighter version of the original color is **54.4584, 63.9818, 104.0872**, and **14.4608, 15.4120, 46.4686** is the 20% darker color. If you saturate the color by 10%, you get **28.4208, 30.1069, 85.2029**, and if you desaturate by 10%, it is **36.0166, 39.7331, 86.6606**.

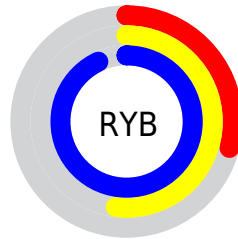
Distribution



Red (29%)

Green (65%)

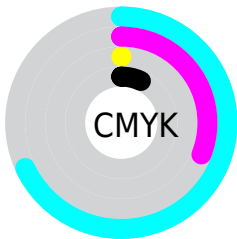
Blue (93%)



Red (29%)

Yellow (52%)

Blue (93%)

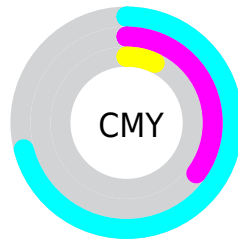


Cyan (68%)

Magenta (31%)

Yellow (0%)

Black (7%)



Cyan (71%)

Magenta (35%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7894, 34.5792, 85.8879 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 31.7894, 34.5792, 85.8879 by changing the saturation by 10% instead.

■ 31.7894, 34.5792,
85.8879

■ 31.7894, 34.5792,
85.8879

301.9211,
322.7070, 534.7825

■ 21.3555, 23.3389,
64.0209

■ 61.8482, 66.8334,
143.4982

■ 13.4980, 14.8440,
46.2213

■ 82.2038, 88.6160,
180.0786

■ 7.8517, 8.7099,
32.0706

■ 106.5973,
114.6816, 222.4006

■ 4.0512, 4.5525,
21.1502

■ 135.3941,
145.4145, 270.8826

■ 1.7312, 1.9872,
13.0415

168.9595,
181.1991, 325.9433

■ 0.4757, 0.6000,
7.3261

207.6589,

■ 0.0000, 0.0000,

222.4198, 388.0011

3.5853

251.8577,
269.4610, 457.4747

■ 0.0000, 0.0000,
1.4007

■ 0.0000, 0.0000,
0.1423

■ 31.7894, 34.5792,
85.8879

■ 31.7894, 34.5792,
85.8879

■ 28.4208, 30.1069,
85.2029

■ 36.0166, 39.7331,
86.6606

■ 25.8210, 26.2625,
84.5979

■ 41.1720, 45.6085,
87.5230

■ 23.8688, 22.9780,
84.0668

■ 47.3216, 52.2452,
88.4799

■ 23.6039, 22.5154,
83.9915

■ 54.5239, 59.6787,
89.5351

■ 62.8325, 67.9417,
90.6921

■ 72.2973, 77.0648,
91.9542

■ 82.9648, 87.0767,
93.3244

■ 90.9445, 95.9765,
94.6217

■ 92.4328, 98.9531,
95.1178

Harmonies

Analogous

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



26.1946, 34.5792, 75.3514



31.7894, 34.5792, 85.8879



38.4521, 34.5792, 80.4140

Triad

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



31.7894, 34.5792, 85.8879



45.5747, 34.5792, 24.4289



23.6354, 34.5792, 20.5996

Complementary

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



31.7894, 34.5792, 85.8879



47.1218, 39.8680, 11.8701

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.



27.8498, 34.5792, 13.6007



31.7894, 34.5792, 85.8879



40.5848, 34.5792, 15.2448

Square

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



31.7894, 34.5792, 85.8879



46.9908, 34.5792, 40.8568



33.9676, 34.5792, 12.0280



21.9006, 34.5792, 34.6172

Rectangle

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



31.7894, 34.5792, 85.8879



42.5453, 34.5792, 69.1322



33.9676, 34.5792, 12.0280



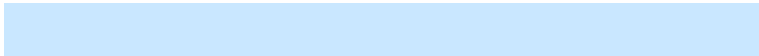
24.7796, 34.5792, 17.5580

Sweetspot

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



31.7907, 34.5804, 85.8888



70.8391, 76.8611, 105.7098



38.6375, 64.7100, 37.5011



14.5781, 15.8722, 22.5452



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.



31.7907, 34.5804, 85.8888



31.9784, 33.4109, 99.3712



21.6531, 14.3051, 82.5096



15.6209, 16.6758, 20.1171



13.2996, 12.8235, 46.9021



1.2056, 1.2651, 3.9349

Inverse Universe

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



44.5687, 25.9275, 38.2538



48.6771, 25.7918, 36.2932



64.0365, 73.6974, 17.5083



16.1381, 15.9049, 18.2833



22.0387, 11.0879, 13.3861



1.8835, 0.9424, 1.3772

Previews

White Background



This preview shows how the XYZ color 31.7894, 34.5792, 85.8879 looks on a white background.

Color Contrast Check

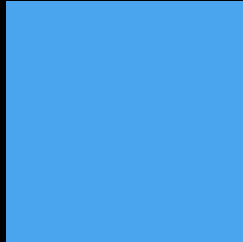
Large Text (above 18pt) WCAG AA × Fail

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 31.7894, 34.5792, 85.8879 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

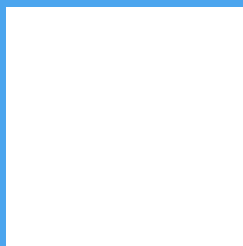
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7894, 34.5792, 85.8879

Background



This preview shows how black text looks on a background with the XYZ color 31.7894, 34.5792, 85.8879.

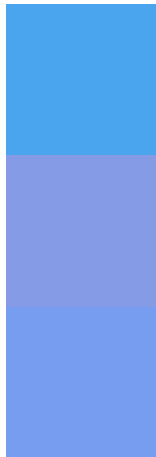


This preview shows how white text looks on a background with the XYZ color 31.7894, 34.5792,

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

31.7894, 34.5792, 85.8879

Protanopia

35.6771, 34.1424, 79.5727

Deuteranopia

35.2564, 34.2568, 87.1921



Tritanopia

25.4297, 34.8055, 53.5220

Trichromacy



Original Color

31.7894, 34.5792, 85.8879

Protanomaly

33.7882, 34.1242, 81.8966

Deuteranomaly

33.6303, 34.1984, 86.4898

Tritanomaly

27.2936, 34.3877, 64.2304

Monochromacy



Original Color

31.7894, 34.5792, 85.8879

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.2736, 30.0302, 47.0068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7894, 34.5792, 85.8879 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(75, 165, 238)` looks like.

```
.text, #text, p{  
    color:rgb(75, 165, 238)  
}
```

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(75, 165, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 165, 238) }
```

Border

The CSS property to change the border of an element to XYZ 31.7894, 34.5792, 85.8879 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(75, 165, 238) }
```


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

```
.border{ border-color:rgb(75, 165, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 165, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 165, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 165, 238);  
box-shadow:4px 4px 4px 4px rgb(75, 165,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7894, 34.5792, 85.8879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 165, 238) }
```

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

```
.background{ background-color: rgb(75, 165,  
238) }
```

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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