

Converting Colors

XYZ(31.1068, 30.9545, 84.2529)

Have a look what the booklet for
XYZ(31.1068, 30.9545, 84.2529)
contains.

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Color

**XYZ(31.1304, 30.9506,
84.4541)**

Conversions

Conversions Part 1

Format	Color
Hex	5E98ED
RGB	94, 152, 237
RGB Percent	37%, 60%, 93%
CMY	0.6313, 0.4039, 0.0706
CMYK	0.60, 0.36, 0.00, 0.07
HSL	216°, 80%, 65%
HSV	216°, 60%, 93%
XYZ	31.1304, 30.9506, 84.4541
YIQ	144.3480, -61.8530, 14.1390

Conversions

Conversions Part 2

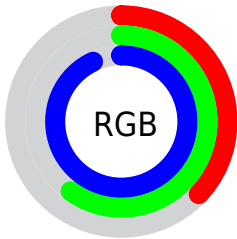
Format	Color
R _Y B	94, 135, 237
Decimal	6199533
CIE Lab	62.47, 6.44, -48.47
CIE LCh	62, 48.900, 277.568
Yxy	30.9506, 0.2124, 0.2112
Android (android.graphics.Color)	4284389613 (0xFF5E98ED)
YUV	144.3480, 45.6774, -44.1552
Hunter-Lab	55.6333, 2.5241, -51.0619

Details

The XYZ color **31.1304, 30.9506, 84.4541** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **53.0674, 51.0557, 17.6492**, and the grayscale version is **26.4902, 27.8697, 30.3501**.

A 20% lighter version of the original color is **53.4477, 58.2326, 103.0308**, and **13.2045, 12.8970, 45.5095** is the 20% darker color. If you saturate the color by 10%, you get **26.9103, 25.5803, 83.6406**, and if you desaturate by 10%, it is **36.3703, 37.2507, 85.3946**.

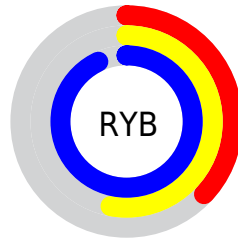
Distribution



Red (37%)

Green (60%)

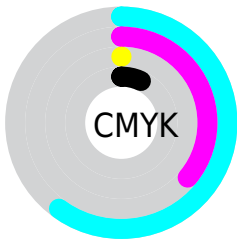
Blue (93%)



Red (37%)

Yellow (53%)

Blue (93%)

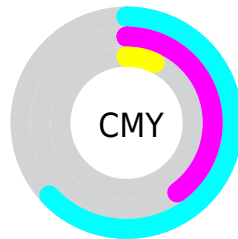


Cyan (60%)

Magenta (36%)

Yellow (0%)

Black (7%)



Cyan (63%)

Magenta (40%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1304, 30.9506, 84.4541 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 31.1304, 30.9506, 84.4541 by changing the saturation by 10% instead.

■ 31.1304, 30.9506,
84.4541

■ 31.1304, 30.9506,
84.4541

298.9548,
306.3107, 529.9174

■ 20.8505, 20.5612,
62.8429

■ 60.8198, 61.1623,
141.4776

■ 13.1266, 12.8037,
45.2739

■ 80.9599, 81.7534,
177.7269

■ 7.5934, 7.2935,
31.3287

■ 105.1175,
106.5139, 219.6927

■ 3.8855, 3.6463,
20.5887

■ 133.6579,
135.8281, 267.7935

■ 1.6376, 1.4778,
12.6354

166.9465,
170.0805, 322.4478

■ 0.4167, 0.2730,
7.0502

205.3486,

■ 0.0000, 0.0000,

209.6555, 384.0742

3.4146

249.2296,
254.9374, 453.0912

■ 0.0000, 0.0000,
1.3100

■ 0.0000, 0.0000,
0.0700

■ 31.1304, 30.9506,
84.4541

■ 31.1304, 30.9506,
84.4541

■ 26.9103, 25.5803,
83.6406

■ 36.3703, 37.2507,
85.3946

■ 23.6263, 21.0813,
82.9453

■ 42.6973, 44.5273,
86.4657

■ 21.1851, 17.3910,
82.3616

■ 50.1766, 52.8273,
87.6735

■ 19.4801, 14.5024,
81.8940

■ 58.8670, 62.1931,
89.0233

■ 68.8229, 72.6646,
90.5197

■ 80.0955, 84.2793,
92.1675

■ 90.9040, 96.1301,
93.8852

■ 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.



24.8124, 30.9506, 80.0200



31.1304, 30.9506, 84.4541



37.9033, 30.9506, 71.7556

Triad

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



31.1304, 30.9506, 84.4541



40.7346, 30.9506, 15.9689



19.1293, 30.9506, 21.5907

Complementary

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



31.1304, 30.9506, 84.4541



53.0674, 51.0557, 17.6492

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.



22.3036, 30.9506, 12.2410



31.1304, 30.9506, 84.4541



34.5600, 30.9506, 9.9506

Square

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



31.1304, 30.9506, 84.4541



43.9656, 30.9506, 29.1124



27.7688, 30.9506, 8.9046



18.4953, 30.9506, 38.7458

Rectangle

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



31.1304, 30.9506, 84.4541



41.5549, 30.9506, 57.3420



27.7688, 30.9506, 8.9046



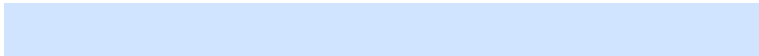
19.9088, 30.9506, 17.6557

Sweetspot

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



31.1316, 30.9516, 84.4549



72.0381, 76.1205, 105.5037



42.8791, 66.1401, 52.3213



14.7238, 15.5545, 22.4762



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.



31.1316, 30.9516, 84.4549



30.9358, 29.0905, 98.5923



25.2243, 17.1807, 82.1082



14.7328, 15.5520, 19.1476



10.7565, 8.1599, 44.7511



0.9369, 0.8252, 3.5448

Inverse Universe

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



44.5964, 28.2785, 32.8144



48.6964, 27.8886, 29.9549



63.3829, 77.3983, 22.1902



15.3187, 15.1553, 16.9634



20.2847, 10.3166, 7.3004



1.6394, 0.8287, 0.8185

Previews

White Background



This preview shows how the XYZ color 31.1304, 30.9506, 84.4541 looks on a white background.

Color Contrast Check

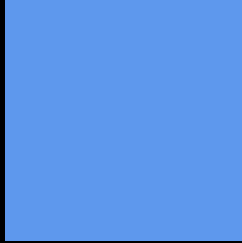
Large Text (above 18pt) WCAG AA × Fail

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 31.1304, 30.9506, 84.4541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

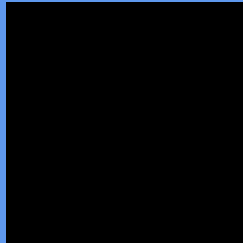
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

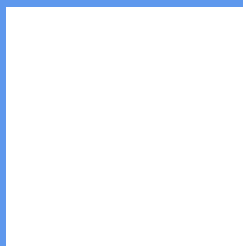
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1304, 30.9506, 84.4541

Background



This preview shows how black text looks on a background with the XYZ color 31.1304, 30.9506, 84.4541.



This preview shows how white text looks on a background with the XYZ color 31.1304, 30.9506,

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

31.1304, 30.9506, 84.4541

Protanopia

32.7494, 30.6726, 81.2851

Deuteranopia

31.6719, 30.7519, 84.3872



Tritanopia

23.5260, 30.9185, 46.3229

Trichromacy



Original Color

31.1304, 30.9506, 84.4541

Protanomaly

32.0291, 30.7504, 82.0892

Deuteranomaly

31.4983, 30.9003, 84.4250

Tritanomaly

25.9402, 30.8429, 58.6189

Monochromacy



Original Color

31.1304, 30.9506, 84.4541

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

27.0738, 28.5174, 46.1969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1304, 30.9506, 84.4541 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(94, 152, 237)` looks like.

```
.text, #text, p{  
    color:rgb(94, 152, 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(94, 152, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 152, 237) }
```

Border

The CSS property to change the border of an element to XYZ 31.1304, 30.9506, 84.4541 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(94, 152, 237) }
```


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

```
.border{ border-color:rgb(94, 152, 237) }
```

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

Here you see how a box with a 4 pixel rgb(94, 152, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 152, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 152, 237);  
box-shadow:4px 4px 4px 4px rgb(94, 152,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1304, 30.9506, 84.4541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 152, 237) }
```

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

```
.background{ background-color: rgb(94, 152,  
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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