

Converting Colors

XYZ(31.5391, 31.9361, 95.4726)

Have a look what the booklet for
XYZ(31.5391, 31.9361, 95.4726)
contains.

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Color

**XYZ(31.5478, 31.9002,
95.7614)**

Conversions

Conversions Part 1

Format	Color
Hex	429CFB
RGB	66, 156, 251
RGB Percent	26%, 61%, 98%
CMY	0.7411, 0.3882, 0.0157
CMYK	0.74, 0.38, 0.00, 0.02
HSL	211°, 96%, 62%
HSV	211°, 74%, 98%
XYZ	31.5478, 31.9002, 95.7614
YIQ	139.9200, -84.1350, 10.4650

Conversions

Conversions Part 2

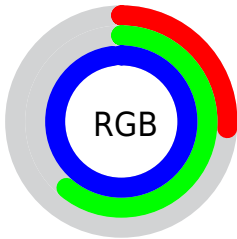
Format	Color
R _Y B	66, 127, 251
Decimal	4365563
CIE Lab	63.26, 4.55, -54.96
CIE LCh	63, 55.152, 274.732
Yxy	31.9002, 0.1982, 0.2004
Android (android.graphics.Color)	4282555643 (0xFF429CFB)
YUV	139.9200, 54.7624, -64.8278
Hunter-Lab	56.4803, 0.8631, -60.9891

Details

The XYZ color **31.5478, 31.9002, 95.7614** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **53.5148, 46.3970, 11.2913**, and the grayscale version is **24.7157, 26.0029, 28.3171**.

A 20% lighter version of the original color is **51.2499, 58.5474, 103.2074**, and **14.7892, 13.9982, 52.9614** is the 20% darker color. If you saturate the color by 10%, you get **28.1629, 27.1131, 95.0165**, and if you desaturate by 10%, it is **35.9061, 37.5306, 96.6192**.

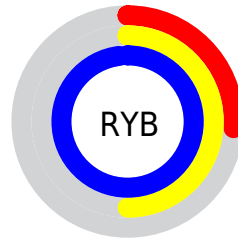
Distribution



Red (26%)

Green (61%)

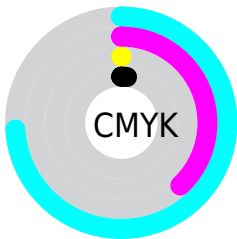
Blue (98%)



Red (26%)

Yellow (50%)

Blue (98%)

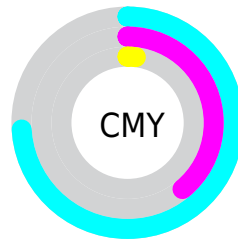


Cyan (74%)

Magenta (38%)

Yellow (0%)

Black (2%)



Cyan (74%)

Magenta (39%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5478, 31.9002, 95.7614 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 31.5478, 31.9002, 95.7614 by changing the saturation by 10% instead.

■ 31.5478, 31.9002,
95.7614

■ 31.5478, 31.9002,
95.7614

300.8362,
310.6644, 567.6461

■ 21.1702, 21.2853,
72.1685

■ 61.4715, 62.6546,
157.3207

■ 13.3616, 13.3327,
52.8086

■ 81.7483, 83.5629,
196.1242

■ 7.7568, 7.6580,
37.2633

■ 106.0556,
108.6711, 240.8349

■ 3.9902, 3.8769,
25.1141

■ 134.7587,
138.3635, 291.8714

■ 1.6966, 1.6050,
15.9423

168.2229,
173.0247, 349.6522

■ 0.4541, 0.3609,
9.3294

206.8137,

■ 0.0000, 0.0000,

213.0390, 414.5959

4.8569

250.8963,
258.7907, 487.1211

■ 0.0000, 0.0000,
2.1063

■ 0.0000, 0.0000,
0.6195

■ 31.5478, 31.9002,
95.7614

■ 31.5478, 31.9002,
95.7614

■ 28.1629, 27.1131,
95.0165

■ 35.9061, 37.5306,
96.6192

■ 25.6353, 23.0978,
94.3747

■ 41.3268, 44.0592,
97.5936

■ 24.3846, 20.9089,
94.0181

■ 47.8922, 51.5385,
98.6912

■ 55.6745, 60.0151,
99.9172

■ 64.7398, 69.5319,
101.2763

■ 75.1490, 80.1290,
102.7732

■ 86.9587, 91.8442,
104.4120

■ 94.4127, 99.7451,
105.5441

Harmonies

Analogous

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



24.4743, 31.9002, 88.3329



31.5478, 31.9002, 95.7614



39.4794, 31.9002, 82.0253

Triad

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



31.5478, 31.9002, 95.7614



44.0597, 31.9002, 15.8610



18.8853, 31.9002, 19.6979

Complementary

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



31.5478, 31.9002, 95.7614



53.5148, 46.3970, 11.2913

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.



22.6999, 31.9002, 10.3685



31.5478, 31.9002, 95.7614



37.0299, 31.9002, 8.8948

Square

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



31.5478, 31.9002, 95.7614



47.4348, 31.9002, 31.3787



29.1248, 31.9002, 7.4200



17.9143, 31.9002, 38.3201

Rectangle

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



31.5478, 31.9002, 95.7614



43.9588, 31.9002, 65.1138



29.1248, 31.9002, 7.4200



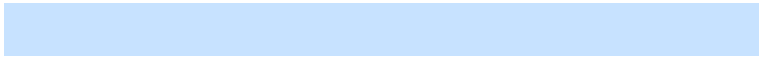
19.8420, 31.9002, 15.6708

Sweetspot

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



31.5491, 31.9012, 95.7622



68.8248, 73.8446, 105.2337



42.9604, 72.6397, 44.3337



14.1429, 15.1985, 22.4381



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.



31.5491, 31.9012, 95.7622



27.9462, 26.1914, 98.1903



21.6094, 12.0218, 92.4490



16.9800, 18.0369, 21.9718



12.9621, 11.2798, 49.4676



1.3062, 1.2561, 4.6168

Inverse Universe

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



47.7338, 26.8077, 34.1117



46.4356, 24.1056, 26.9239



75.2652, 89.8978, 18.5414



17.5965, 17.3659, 19.7307



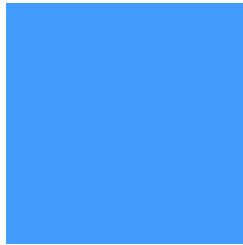
22.8347, 11.5496, 11.1039



2.1682, 1.0910, 1.3093

Previews

White Background



This preview shows how the XYZ color 31.5478, 31.9002, 95.7614 looks on a white background.

Color Contrast Check

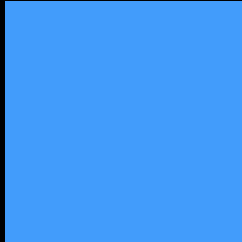
Large Text (above 18pt) WCAG AA × Fail

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 31.5478, 31.9002, 95.7614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

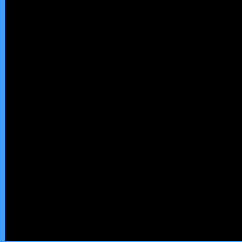
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

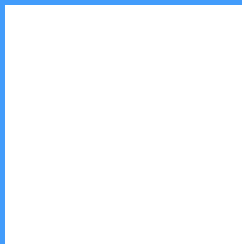
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5478, 31.9002, 95.7614

Background



This preview shows how black text looks on a background with the XYZ color 31.5478, 31.9002, 95.7614.



This preview shows how white text looks on a background with the XYZ color 31.5478, 31.9002,

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

31.5478, 31.9002, 95.7614

Protanopia

34.2991, 31.7323, 90.7034

Deuteranopia

32.8924, 31.8370, 96.5070



Tritanopia

22.6315, 31.7533, 49.1922

Trichromacy



Original Color

31.5478, 31.9002, 95.7614

Protanomaly

32.9465, 31.7133, 92.3805

Deuteranomaly

32.3507, 31.8017, 96.5287

Tritanomaly

24.9146, 31.2501, 63.7502

Monochromacy



Original Color

31.5478, 31.9002, 95.7614

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.3272, 27.3638, 47.1269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5478, 31.9002, 95.7614 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(66, 156, 251)` looks like.

```
.text, #text, p{  
    color:rgb(66, 156, 251)  
}
```

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(66, 156, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 156, 251) }
```

Border

The CSS property to change the border of an element to XYZ 31.5478, 31.9002, 95.7614 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(66, 156, 251) }
```


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

```
.border{ border-color:rgb(66, 156, 251) }
```

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

Here you see how a box with a 4 pixel rgb(66, 156, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 156, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 156, 251);  
box-shadow:4px 4px 4px 4px rgb(66, 156,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5478, 31.9002, 95.7614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 156, 251) }
```

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

```
.background{ background-color: rgb(66, 156,  
251) }
```

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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