

Converting Colors

XYZ(31.6139, 27.7235, 94.9832)

Have a look what the booklet for
XYZ(31.6139, 27.7235, 94.9832)
contains.

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Color

**XYZ(31.6467, 27.7946,
94.9637)**

Conversions

Conversions Part 1

Format	Color
Hex	638AFB
RGB	99, 138, 251
RGB Percent	39%, 54%, 98%
CMY	0.6117, 0.4588, 0.0157
CMYK	0.61, 0.45, 0.00, 0.02
HSL	225°, 95%, 69%
HSV	225°, 61%, 98%
XYZ	31.6467, 27.7946, 94.9637
YIQ	139.2210, -59.5170, 26.8750

Conversions

Conversions Part 2

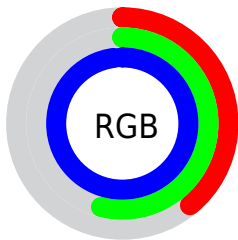
Format	Color
R _Y B	99, 130, 251
Decimal	6523643
CIE Lab	59.70, 20.25, -60.56
CIE LCh	60, 63.859, 288.484
Yxy	27.7946, 0.2050, 0.1800
Android (android.graphics.Color)	4284713723 (0xFF638AFB)
YUV	139.2210, 55.1070, -35.2738
Hunter-Lab	52.7206, 14.8876, -69.8925

Details

The XYZ color **31.6467, 27.7946, 94.9637** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.5821, 68.5016, 21.5722**, and the grayscale version is **24.4378, 25.7104, 27.9987**.

A 20% lighter version of the original color is **51.3787, 52.0587, 101.9481**, and **13.4760, 11.1254, 52.4761** is the 20% darker color. If you saturate the color by 10%, you get **26.8671, 21.6921, 94.0383**, and if you desaturate by 10%, it is **37.7405, 35.2580, 96.0837**.

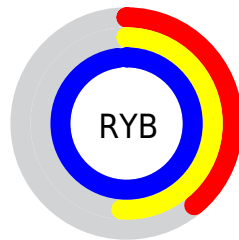
Distribution



Red (39%)

Green (54%)

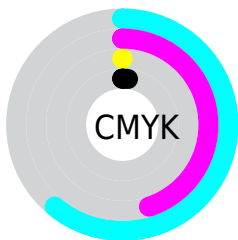
Blue (98%)



Red (39%)

Yellow (51%)

Blue (98%)

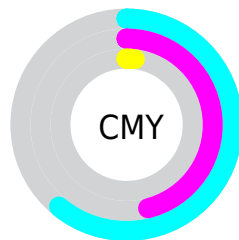


Cyan (61%)

Magenta (45%)

Yellow (0%)

Black (2%)



Cyan (61%)

Magenta (46%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6467, 27.7946, 94.9637 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 31.6467, 27.7946, 94.9637 by changing the saturation by 10% instead.

■ 31.6467, 27.7946,
94.9637

■ 31.6467, 27.7946,
94.9637

301.2807,
291.4841, 565.0301

■ 21.2460, 18.1709,
71.5080

■ 61.6258, 56.1563,
156.2096

■ 13.4174, 11.0727,
52.2725

■ 81.9348, 75.6632,
194.8369

■ 7.7956, 6.1158,
36.8386

■ 106.2775, 99.2331,
239.3586

■ 4.0151, 2.9156,
24.7877

135.0189,
127.2507, 290.1930

■ 1.7107, 1.0878,
15.7014

168.5246,
160.1001, 347.7589

■ 0.4630, 0.0000,
9.1611

207.1599,

■ 0.0000, 0.0000,

198.1659, 412.4746

4.7481

251.2901,
241.8325, 484.7589

■ 0.0000, 0.0000,
2.0441

■ 0.0000, 0.0000,
0.5822

■ 31.6467, 27.7946,
94.9637

■ 31.6467, 27.7946,
94.9637

■ 26.8671, 21.6921,
94.0383

■ 37.7405, 35.2580,
96.0837

■ 23.2927, 16.8585,
93.2937

■ 45.2382, 44.1601,
97.4068

■ 20.8012, 13.1931,
92.7176

■ 54.2254, 54.5756,
98.9435

■ 19.2683, 10.6762,
92.3126

■ 64.7795, 66.5731,
100.7030

■ 76.9727, 80.2168,
102.6939

■ 90.8723, 95.5672,
104.9242

■ 94.4127, 99.7451,
105.5440

Harmonies

Analogous

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



23.4409, 27.7946, 97.9903



31.6467, 27.7946, 94.9637



39.8164, 27.7946, 70.2865

Triad

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



31.6467, 27.7946, 94.9637



38.0897, 27.7946, 7.7000



13.9481, 27.7946, 22.2336

Complementary

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



31.6467, 27.7946, 94.9637



65.5821, 68.5016, 21.5722

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.



16.4231, 27.7946, 9.3368



31.6467, 27.7946, 94.9637



29.6369, 27.7946, 4.2699

Square

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



31.6467, 27.7946, 94.9637



44.0271, 27.7946, 18.2522



21.7994, 27.7946, 4.6599



14.2693, 27.7946, 46.6439

Rectangle

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



31.6467, 27.7946, 94.9637



43.6338, 27.7946, 49.6532



21.7994, 27.7946, 4.6599



14.4562, 27.7946, 16.7206

Sweetspot

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



31.6479, 27.7955, 94.9644



70.1963, 72.4369, 104.8897



51.3354, 76.3245, 73.3064



14.2792, 14.6652, 22.3280



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.



31.6479, 27.7955, 94.9644



26.8090, 21.1105, 97.2695



31.7826, 20.9978, 93.6452



16.6449, 17.3667, 21.8601



10.2265, 5.8086, 48.5557



1.0286, 0.7008, 4.5242

Inverse Universe

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



48.8341, 31.2697, 27.5070



46.5466, 26.7729, 19.4225



64.9319, 84.4242, 24.6798



17.4273, 17.2983, 18.8400



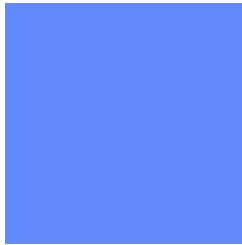
21.4539, 10.9973, 3.8327



2.0281, 1.0350, 0.5714

Previews

White Background



This preview shows how the XYZ color 31.6467, 27.7946, 94.9637 looks on a white background.

Color Contrast Check

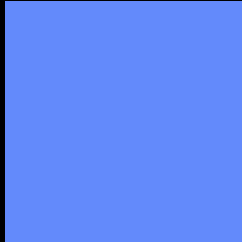
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6467, 27.7946, 94.9637 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 × Fail

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

XYZ 31.6467, 27.7946, 94.9637

Background



This preview shows how black text looks on a background with the XYZ color 31.6467, 27.7946, 94.9637.



This preview shows how white text looks on a background with the XYZ color 31.6467, 27.7946,

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

31.6467, 27.7946, 94.9637

Protanopia

31.1177, 27.7177, 95.8054

Deuteranopia

28.8552, 27.9311, 93.4929



Tritanopia

20.9744, 27.6336, 41.7645

Trichromacy



Original Color

31.6467, 27.7946, 94.9637

Protanomaly

31.4194, 27.8732, 95.8195

Deuteranomaly

29.6008, 27.6258, 94.2147

Tritanomaly

23.9579, 27.1143, 58.0037

Monochromacy



Original Color

31.6467, 27.7946, 94.9637

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.7830, 26.0456, 46.8484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6467, 27.7946, 94.9637 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(99, 138, 251)` looks like.

```
.text, #text, p{  
  color:rgb(99, 138, 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(99, 138, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 138, 251) }
```

Border

The CSS property to change the border of an element to XYZ 31.6467, 27.7946, 94.9637 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(99, 138, 251) }
```


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

```
.border{ border-color:rgb(99, 138, 251) }
```

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

Here you see how a box with a 4 pixel rgb(99, 138, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 138, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 138, 251);  
box-shadow:4px 4px 4px 4px rgb(99, 138,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6467, 27.7946, 94.9637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 138, 251) }
```

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

```
.background{ background-color: rgb(99, 138,  
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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