

Converting Colors

XYZ(33.5998, 29.6277,
107.2254)

Have a look what the booklet for
XYZ(33.5998, 29.6277, 107.2254)
contains.

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Color

**XYZ(31.9923, 28.9888,
98.5170)**

Conversions

Conversions Part 1

Format	Color
Hex	598FFF
RGB	89, 143, 255
RGB Percent	35%, 56%, 100%
CMY	0.6509, 0.4392, 0.0000
CMYK	0.65, 0.44, 0.00, 0.00
HSL	220°, 100%, 67%
HSV	220°, 65%, 100%
XYZ	31.9923, 28.9888, 98.5170
YIQ	139.6220, -68.1360, 23.3840

Conversions

Conversions Part 2

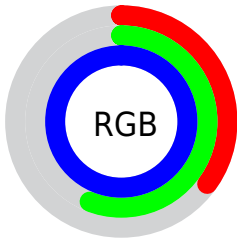
Format	Color
R _Y B	89, 130, 255
Decimal	5869567
CIE Lab	60.77, 16.89, -61.08
CIE LCh	61, 63.369, 285.463
Yxy	28.9888, 0.2006, 0.1818
Android (android.graphics.Color)	4284059647 (0xFF598FFF)
YUV	139.6220, 56.8814, -44.3955
Hunter-Lab	53.8412, 11.8420, -70.7981

Details

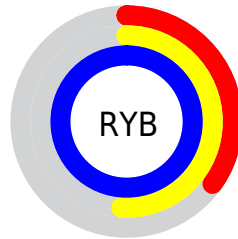
The XYZ color **31.9923, 28.9888, 98.5170** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **63.9321, 63.7585, 18.3903**, and the grayscale version is **24.5879, 25.8684, 28.1707**.

A 20% lighter version of the original color is **50.9268, 53.4722, 102.2448**, and **13.9924, 11.8599, 54.3750** is the 20% darker color. If you saturate the color by 10%, you get **27.5674, 23.1631, 97.6257**, and if you desaturate by 10%, it is **37.6626, 36.0451, 99.5801**.

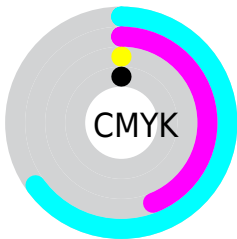
Distribution



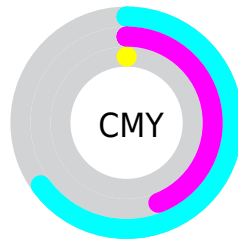
- Red (35%)
- Green (56%)
- Blue (100%)



- Red (35%)
- Yellow (51%)
- Blue (100%)



- Cyan (65%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)





- Cyan (65%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9923, 28.9888, 98.5170 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 31.9923, 28.9888, 98.5170 by changing the saturation by 10% instead.


 31.9923, 28.9888,
98.5170


 31.9923, 28.9888,
98.5170


302.8301,
297.1621, 576.6335


 21.5111, 19.0723,
74.4526


 62.1643, 58.0593,
161.1518


 13.6127, 11.7226,
54.6656


 82.5858, 77.9821,
200.5592

 7.9317, 6.5551,
38.7372


 107.0515,
102.0092, 245.9182

 4.1027, 3.1854,
26.2491

 135.9268,
130.5249, 297.6471

 1.7604, 1.2293,
16.7827

169.5769,
163.9137, 356.1646

 0.4936, 0.0854,
9.9193

208.3672,

 0.0000, 0.0000,

202.5599, 421.8891

5.2406

252.6632,
246.8479, 495.2392

■ 0.0000, 0.0000,
2.3279

■ 0.0000, 0.0000,
0.7468

■ 31.9923, 28.9888,
98.5170

■ 31.9923, 28.9888,
98.5170

■ 27.5674, 23.1631,
97.6257

■ 37.6626, 36.0451,
99.5801

■ 24.2747, 18.4823,
96.8958

■ 44.6706, 44.4038,
100.8241

■ 21.9829, 14.8500,
96.3154

■ 53.1029, 54.1334,
102.2577

■ 21.1390, 13.3980,
96.0797

■ 63.0377, 65.2965,
103.8888

■ 74.5471, 77.9515,
105.7248

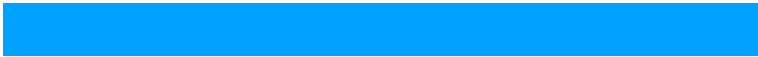
■ 87.6985, 92.1535,
107.7729

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



23.7677, 28.9888, 98.9223



31.9923, 28.9888, 98.5170



40.4459, 28.9888, 75.2304

Triad

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



31.9923, 28.9888, 98.5170



40.2129, 28.9888, 9.0232



14.8955, 28.9888, 21.4975

Complementary

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



31.9923, 28.9888, 98.5170



63.9321, 63.7585, 18.3903

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.



17.7402, 28.9888, 9.2497



31.9923, 28.9888, 98.5170



31.7203, 28.9888, 4.8764

Square

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



31.9923, 28.9888, 98.5170



45.7980, 28.9888, 20.9546



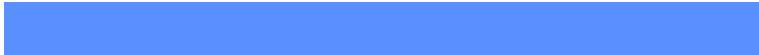
23.5446, 28.9888, 4.9312



14.9395, 28.9888, 45.2585

Rectangle

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



31.9923, 28.9888, 98.5170



44.6066, 28.9888, 54.3810



23.5446, 28.9888, 4.9312



15.5163, 28.9888, 16.2326

Sweetspot

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



31.9934, 28.9897, 98.5171



68.6999, 71.5534, 104.7981



50.2675, 77.7990, 66.8088



14.0250, 14.5661, 22.3223



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.



31.9934, 28.9897, 98.5171



26.4991, 21.6889, 97.3975



28.9156, 18.1257, 96.5823



17.4854, 18.3425, 22.8688



11.1655, 7.2405, 50.2437



1.1817, 0.8940, 4.9236

Inverse Universe

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



49.7712, 30.3896, 29.2297



46.0977, 25.4735, 20.5110



69.3479, 88.6268, 22.9050



18.2529, 18.0845, 19.9490



22.4240, 11.4589, 5.6173



2.2311, 1.1348, 0.7981

Previews

White Background



This preview shows how the XYZ color 31.9923, 28.9888, 98.5170 looks on a white background.

Color Contrast Check

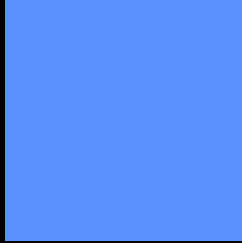
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9923, 28.9888, 98.5170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

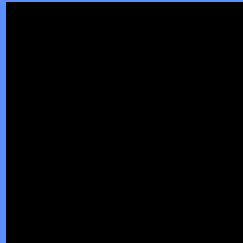
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

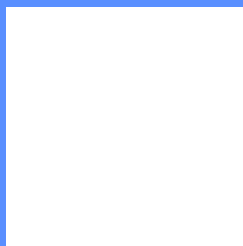
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9923, 28.9888, 98.5170

Background



This preview shows how black text looks on a background with the XYZ color 31.9923, 28.9888, 98.5170.



This preview shows how white text looks on a background with the XYZ color 31.9923, 28.9888,

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

31.9923, 28.9888, 98.5170

Protanopia

32.2817, 28.9347, 97.6494

Deuteranopia

30.1666, 29.2054, 97.8132



Tritanopia

21.2216, 28.9771, 44.5190

Trichromacy



Original Color

31.9923, 28.9888, 98.5170

Protanomaly

32.0766, 28.8289, 97.6398

Deuteranomaly

30.6225, 28.9787, 97.7454

Tritanomaly

24.0224, 28.2929, 60.6949

Monochromacy



Original Color

31.9923, 28.9888, 98.5170

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.8535, 26.4921, 48.0068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9923, 28.9888, 98.5170 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(89, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 143, 255)  
}
```

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(89, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 143, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.9923, 28.9888, 98.5170 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(89, 143, 255) }
```


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

```
.border{ border-color:rgb(89, 143, 255) }
```

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

Here you see how a box with a 4 pixel rgb(89, 143, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 143,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9923, 28.9888, 98.5170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 143, 255) }
```

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

```
.background{ background-color: rgb(89, 143,  
255) }
```

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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