

Converting Colors

XYZ(33.1531, 28.5835,
101.6792)

Have a look what the booklet for
XYZ(33.1531, 28.5835, 101.6792)
contains.

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Color

**XYZ(32.5381, 28.3946,
98.3735)**

Conversions

Conversions Part 1

Format	Color
Hex	648BFF
RGB	100, 139, 255
RGB Percent	39%, 55%, 100%
CMY	0.6078, 0.4549, 0.0000
CMYK	0.61, 0.45, 0.00, 0.00
HSL	225°, 100%, 70%
HSV	225°, 61%, 100%
XYZ	32.5381, 28.3946, 98.3735
YIQ	140.5630, -60.4800, 27.8080

Conversions

Conversions Part 2

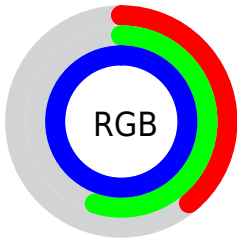
Format	Color
RYB	100, 131, 255
Decimal	6589439
CIELab	60.24, 21.14, -61.89
CIELCh	60, 65.402, 288.857
Yxy	28.3946, 0.2042, 0.1782
Android (android.graphics.Color)	4284779519 (0xFF648BFF)
YUV	140.5630, 56.4174, -35.5738
Hunter-Lab	53.2866, 15.7450, -72.1559

Details

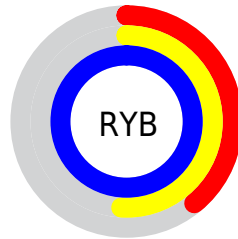
The XYZ color **32.5381, 28.3946, 98.3735** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.0980, 71.2950, 22.2306**, and the grayscale version is **24.9515, 26.2509, 28.5872**.

A 20% lighter version of the original color is **51.7999, 52.6007, 102.0305**, and **13.9002, 11.4291, 54.2967** is the 20% darker color. If you saturate the color by 10%, you get **27.6198, 22.1091, 97.4195**, and if you desaturate by 10%, it is **38.8233, 36.1014, 99.5298**.

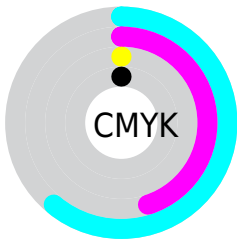
Distribution



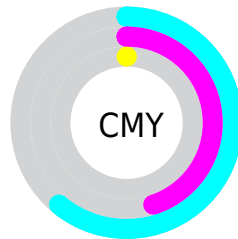
- Red (39%)
- Green (55%)
- Blue (100%)



- Red (39%)
- Yellow (51%)
- Blue (100%)



- Cyan (61%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5381, 28.3946, 98.3735 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 32.5381, 28.3946, 98.3735 by changing the saturation by 10% instead.

■ 32.5381, 28.3946,
98.3735

■ 32.5381, 28.3946,
98.3735

305.2651,
294.3477, 576.1673

■ 21.9304, 18.6233,
74.3336

■ 63.0132, 57.1138,
160.9525

■ 13.9221, 11.3984,
54.5687

■ 83.6113, 76.8306,
200.3287

■ 8.1478, 6.3355,
38.6602

■ 108.2703,
100.6313, 245.6541

■ 4.2423, 3.0501,
26.1897

137.3555,
128.9003, 297.3471

■ 1.8401, 1.1580,
16.7386

171.2322,
162.0220, 355.8265

■ 0.5416, 0.0270,
9.8883

210.2658,

■ 0.0000, 0.0000,

200.3809, 421.5106

5.2203

254.8217,
244.3614, 494.8180

■ 0.0000, 0.0000,
2.3161

■ 0.0000, 0.0000,
0.7402

■ 32.5381, 28.3946,
98.3735

■ 32.5381, 28.3946,
98.3735

■ 27.6198, 22.1091,
97.4195

■ 38.8233, 36.1014,
99.5298

■ 23.9544, 17.1480,
96.6551

■ 46.5697, 45.3118,
100.8993

■ 21.4134, 13.4049,
96.0665

■ 55.8670, 56.1044,
102.4925

■ 19.8921, 10.9043,
95.6640

■ 66.7962, 68.5517,
104.3190

■ 79.4326, 82.7210,
106.3879

■ 93.8468, 98.6762,
108.7079

■ 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.



23.9925, 28.3946, 101.8904



32.5381, 28.3946, 98.3735



41.0316, 28.3946, 72.3014

Triad

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



32.5381, 28.3946, 98.3735



39.0382, 28.3946, 7.5600



14.0651, 28.3946, 22.8287

Complementary

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



32.5381, 28.3946, 98.3735



68.0980, 71.2950, 22.2306

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.



16.5818, 28.3946, 9.4097



32.5381, 28.3946, 98.3735



30.2235, 28.3946, 4.1460

Square

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



32.5381, 28.3946, 98.3735



45.2882, 28.3946, 18.2721



22.1083, 28.3946, 4.5814



14.4316, 28.3946, 48.3583

Rectangle

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



32.5381, 28.3946, 98.3735



44.9784, 28.3946, 50.7275



22.1083, 28.3946, 4.5814



14.5769, 28.3946, 17.0804

Sweetspot

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



32.5392, 28.3954, 98.3736



70.1364, 72.3170, 104.8697



53.1117, 79.0679, 75.8590



14.2648, 14.6363, 22.3232



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.



32.5392, 28.3954, 98.3736



26.7025, 20.8975, 97.2340



32.7892, 21.5845, 97.0458



17.3743, 18.1202, 22.8318



10.4932, 5.8960, 50.0196



1.1042, 0.7391, 4.8977

Inverse Universe

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



50.4582, 32.2399, 27.9902



46.4929, 26.7514, 19.1396



67.2244, 87.4747, 25.3997



18.1968, 18.0620, 19.6536



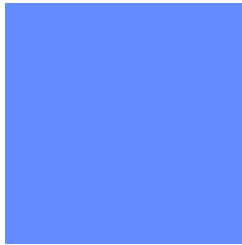
22.0847, 11.3232, 3.8305



2.1919, 1.1192, 0.5922

Previews

White Background



This preview shows how the XYZ color 32.5381, 28.3946, 98.3735 looks on a white background.

Color Contrast Check

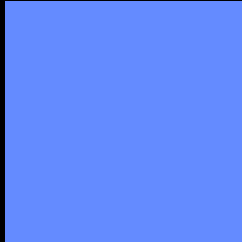
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5381, 28.3946, 98.3735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

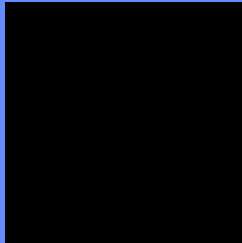
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.5381, 28.3946, 98.3735

Background



This preview shows how black text looks on a background with the XYZ color 32.5381, 28.3946, 98.3735.



This preview shows how white text looks on a background with the XYZ color 32.5381, 28.3946,

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

32.5381, 28.3946, 98.3735

Protanopia

31.8893, 28.4939, 98.4269

Deuteranopia

29.4247, 28.3797, 96.8555



Tritanopia

21.4410, 28.3547, 42.8710

Trichromacy



Original Color

32.5381, 28.3946, 98.3735

Protanomaly

32.0442, 28.3559, 98.3921

Deuteranomaly

30.1661, 28.0659, 97.5933

Tritanomaly

24.6289, 27.8933, 59.9630

Monochromacy



Original Color

32.5381, 28.3946, 98.3735

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.4258, 26.5692, 47.9915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5381, 28.3946, 98.3735 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(100, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 139, 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(100, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 139, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.5381, 28.3946, 98.3735 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(100, 139, 255) }
```


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

```
.border{ border-color:rgb(100, 139, 255) }
```

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

Here you see how a box with a 4 pixel rgb(100, 139, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 139,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5381, 28.3946, 98.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 139, 255) }
```

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

```
.background{ background-color: rgb(100,  
139, 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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