

# Converting Colors

XYZ(32.7765, 30.1338, 98.6966)

Have a look what the booklet for  
XYZ(32.7765, 30.1338, 98.6966)  
contains.

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# Color

**XYZ(32.7425, 30.0531,  
98.6828)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5C92FF
RGB	92, 146, 255
RGB Percent	36%, 57%, 100%
CMY	0.6392, 0.4274, 0.0000
CMYK	0.64, 0.43, 0.00, 0.00
HSL	220°, 100%, 68%
HSV	220°, 64%, 100%
XYZ	32.7425, 30.0531, 98.6828
YIQ	142.2800, -67.1730, 22.4510

# Conversions

## Conversions Part 2

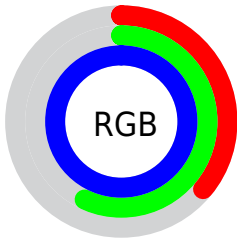
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	92, 133, 255
Decimal	6066943
CIE Lab	61.70, 15.59, -59.58
CIE LCh	62, 61.589, 284.664
Yxy	30.0531, 0.2028, 0.1861
Android (android.graphics.Color)	4284257023 (0xFF5C92FF)
YUV	142.2800, 55.5710, -44.0956
Hunter-Lab	54.8207, 10.6756, -68.3535

# Details

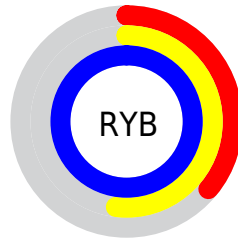
The XYZ color **32.7425, 30.0531, 98.6828** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **64.0605, 63.8096, 19.0674**, and the grayscale version is **25.6293, 26.9640, 29.3638**.

A 20% lighter version of the original color is **51.9910, 55.0354, 102.4904**, and **14.3759, 12.4430, 55.0701** is the 20% darker color. If you saturate the color by 10%, you get **28.1747, 24.0830, 97.7713**, and if you desaturate by 10%, it is **38.5615, 37.2510, 99.7655**.

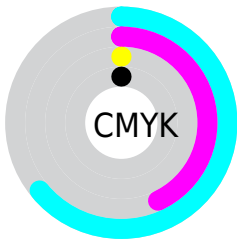
# Distribution



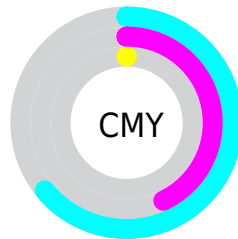
- Red (36%)
- Green (57%)
- Blue (100%)



- Red (36%)
- Yellow (52%)
- Blue (100%)



- Cyan (64%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (43%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7425, 30.0531, 98.6828 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 32.7425, 30.0531, 98.6828 by changing the saturation by 10% instead.



■ 32.7425, 30.0531,  
98.6828

■ 32.7425, 30.0531,  
98.6828

306.1734,  
302.1519, 577.1719

■ 22.0875, 19.8789,  
74.5902

■ 63.3307, 59.7461,  
161.3819

■ 14.0382, 12.3070,  
54.7775

■ 83.9946, 80.0338,  
200.8255

■ 8.2291, 6.9531,  
38.8262

■ 108.7256,  
104.4613, 246.2232

■ 4.2949, 3.4328,  
26.3178

■ 137.8889,  
133.4132, 297.9935

■ 1.8703, 1.3617,  
16.8336

171.8500,  
167.2738, 356.5550

■ 0.5595, 0.1882,  
9.9552

210.9742,

■ 0.0000, 0.0000,

206.4275, 422.3262

5.2641

255.6269,  
251.2588, 495.7256

■ 0.0000, 0.0000,  
2.3416

■ 0.0000, 0.0000,  
0.7544

■ 32.7425, 30.0531,  
98.6828

■ 32.7425, 30.0531,  
98.6828

■ 28.1747, 24.0830,  
97.7713

■ 38.5615, 37.2510,  
99.7655

■ 24.7475, 19.2570,  
97.0204

■ 45.7221, 45.7463,  
101.0278

■ 22.3335, 15.4820,  
96.4190

■ 54.3096, 55.6060,  
102.4784

■ 21.2570, 13.6341,  
96.1190

■ 64.4009, 66.8915,  
104.1248

■ 76.0671, 79.6598,  
105.9745

■ 89.3747, 93.9650,  
108.0342

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.



24.5961, 30.0531, 98.3971



32.7425, 30.0531, 98.6828



41.1359, 30.0531, 76.4626

# Triad

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



32.7425, 30.0531, 98.6828



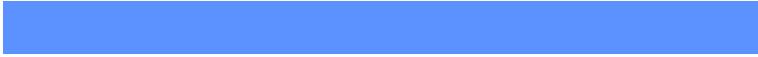
41.3027, 30.0531, 10.1457



15.9029, 30.0531, 22.1788

# Complementary

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



32.7425, 30.0531, 98.6828



64.0605, 63.8096, 19.0674

# 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.



18.8573, 30.0531, 9.9752



32.7425, 30.0531, 98.6828



32.9384, 30.0531, 5.6435

# Square

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



32.7425, 30.0531, 98.6828



46.6831, 30.0531, 22.5757



24.7581, 30.0531, 5.6012

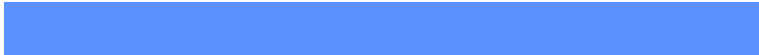


15.8705, 30.0531, 45.5291



# Rectangle

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



32.7425, 30.0531, 98.6828



45.3060, 30.0531, 56.0845



24.7581, 30.0531, 5.6012



16.5577, 30.0531, 16.9600

# Sweetspot

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



32.7436, 30.0540, 98.6830



69.9374, 72.9823, 105.0086



50.6783, 77.9973, 67.4388



14.2702, 14.8536, 22.3649



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.



32.7436, 30.0540, 98.6830



27.0022, 22.4776, 97.5232



29.5096, 18.8101, 96.6831



17.4945, 18.3607, 22.8718



11.2287, 7.3669, 50.2647



1.1887, 0.9080, 4.9259



# Inverse Universe

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



50.2563, 30.9912, 30.5278



46.4047, 25.7996, 21.5012



69.6347, 88.7598, 23.5895



18.2575, 18.0863, 19.9732



22.4559, 11.4717, 5.7853



2.2346, 1.1362, 0.8167



# Previews

## White Background



This preview shows how the XYZ color 32.7425, 30.0531, 98.6828 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

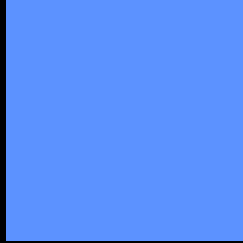
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.7425, 30.0531, 98.6828 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

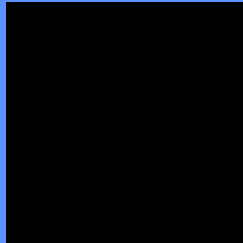
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

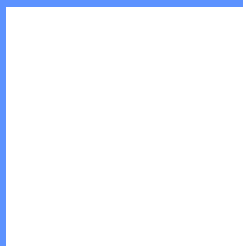
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.7425, 30.0531, 98.6828**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.7425, 30.0531, 98.6828.



This preview shows how white text looks on a background with the XYZ color 32.7425, 30.0531,



# 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

32.7425, 30.0531, 98.6828

### Protanopia

33.3816, 30.1733, 97.8306

### Deuteranopia

31.1796, 30.1974, 97.9513



## Tritanopia

22.1526, 29.9574, 45.6891

# Trichromacy



## Original Color

32.7425, 30.0531, 98.6828

## Protanomaly

33.0518, 30.0032, 97.8151

## Deuteranomaly

31.6974, 30.2284, 97.9300

## Tritanomaly

25.1908, 29.6117, 62.1455

# Monochromacy



## Original Color

32.7425, 30.0531, 98.6828

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

26.6819, 27.3489, 48.6723

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.7425, 30.0531, 98.6828 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(92, 146, 255)` looks like.

```
.text, #text, p{  
    color:rgb(92, 146, 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(92, 146, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 146, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 32.7425, 30.0531, 98.6828 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(92, 146, 255) }
```



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

```
.border{ border-color:rgb(92, 146, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 146, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 146, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 146, 255);  
box-shadow:4px 4px 4px 4px rgb(92, 146,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.7425, 30.0531, 98.6828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 146, 255) }
```

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

```
.background{ background-color: rgb(92, 146,  
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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