

# Converting Colors

XYZ(30.8988, 18.3229, 96.5159)

Have a look what the booklet for  
XYZ(30.8988, 18.3229, 96.5159)  
contains.

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# Color

**XYZ(30.8988, 18.3229,  
96.5159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8652FF
RGB	134, 82, 255
RGB Percent	53%, 32%, 100%
CMY	0.4745, 0.6784, 0.0000
CMYK	0.47, 0.68, 0.00, 0.00
HSL	258°, 100%, 66%
HSV	258°, 68%, 100%
XYZ	30.8988, 18.3229, 96.5159
YIQ	117.2700, -24.5410, 64.8270

# Conversions

## Conversions Part 2

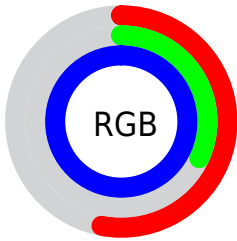
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	134, 82, 255
Decimal	8803071
CIE Lab	49.89, 59.81, -78.53
CIE LCh	50, 98.710, 307.295
Yxy	18.3229, 0.2120, 0.1257
Android (android.graphics.Color)	4286993151 (0xFF8652FF)
YUV	117.2700, 67.9009, 14.6722
Hunter-Lab	42.8053, 53.9403, -103.7215

# Details

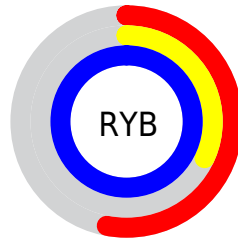
The XYZ color **30.8988, 18.3229, 96.5159** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **61.9102, 84.8250, 21.0925**, and the grayscale version is **16.7945, 17.6691, 19.2416**.

A 20% lighter version of the original color is **49.2196, 36.1500, 98.9912**, and **12.9717, 6.1752, 53.3316** is the 20% darker color. If you saturate the color by 10%, you get **26.7137, 13.8218, 95.8676**, and if you desaturate by 10%, it is **36.2789, 24.5000, 97.4246**.

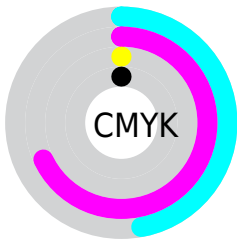
# Distribution



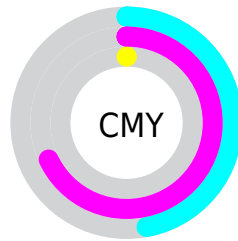
- Red (53%)
- Green (32%)
- Blue (100%)



- Red (53%)
- Yellow (32%)
- Blue (100%)



- Cyan (47%)
- Magenta (68%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (68%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8988, 18.3229, 96.5159 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 30.8988, 18.3229, 96.5159 by changing the saturation by 10% instead.



 30.8988, 18.3229,  
96.5159


 30.8988, 18.3229,  
96.5159


297.9070,  
242.6848, 570.1145


 20.6732, 11.1821,  
72.7935


 60.4576, 40.5868,  
158.3708


 12.9965, 6.1894,  
53.3163


 80.5216, 56.4786,  
197.3403


 7.5031, 2.9606,  
37.6659


 104.5958, 76.0562,  
242.2292

 3.8278, 1.1112,  
25.4237

 133.0455, 99.7040,  
293.4562

 1.6052, 0.0000,  
16.1711

 166.2362,  
127.8064, 351.4396

 0.3958, 0.0000,  
9.4896

204.5331,

 0.0000, 0.0000,

160.7477, 416.5981

4.9608

248.3016,  
198.9124, 489.3502

■ 0.0000, 0.0000,  
2.1659

■ 0.0000, 0.0000,  
0.6546

■ 30.8988, 18.3229,  
96.5159

■ 30.8988, 18.3229,  
96.5159

■ 26.7137, 13.8218,  
95.8676

■ 36.2789, 24.5000,  
97.4246

■ 23.6134, 10.8154,  
95.4508

■ 42.9448, 32.5049,  
98.6184

■ 21.4605, 9.0668,  
95.2267

■ 50.9806, 42.4738,  
100.1190

■ 21.0828, 8.7835,  
95.1919

■ 60.4622, 54.5291,  
101.9462

■ 71.4596, 68.7830,  
104.1179

■ 84.0382, 85.3397,  
106.6507

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.



19.8245, 18.3229, 128.7771



30.8988, 18.3229, 96.5159



40.1136, 18.3229, 47.5110

# Triad

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



30.8988, 18.3229, 96.5159



25.4073, 18.3229, 0.0000



4.8991, 18.3229, 27.3099

# Complementary

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



30.8988, 18.3229, 96.5159



61.9102, 84.8250, 21.0925

# 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.



5.4604, 18.3229, 5.8563



30.8988, 18.3229, 96.5159



15.2098, 18.3229, 0.0000

# Square

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



30.8988, 18.3229, 96.5159



36.2248, 18.3229, 2.1177



8.5667, 18.3229, 0.5232



6.5952, 18.3229, 70.9673



# Rectangle

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



30.8988, 18.3229, 96.5159



42.5818, 18.3229, 22.5071



8.5667, 18.3229, 0.5232



4.8449, 18.3229, 17.5953

# Sweetspot

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



30.8997, 18.3234, 96.5159



68.9560, 65.5172, 103.6195



42.9093, 51.7730, 102.3394



14.0845, 13.1465, 22.0451



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.



30.8997, 18.3234, 96.5159



25.6234, 12.7207, 95.7126



50.7037, 28.5328, 97.4427



17.5163, 17.6424, 22.7321



11.1470, 4.6570, 49.7460



1.1901, 0.5074, 4.8485



# Inverse Universe

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



55.0362, 31.6062, 59.6965



51.9310, 27.2571, 52.9231



44.5655, 75.8835, 20.2808



18.5464, 18.2019, 21.4944



25.8350, 12.8233, 23.5796

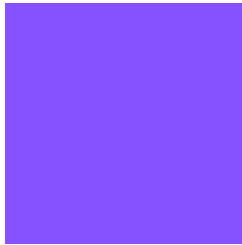


2.5639, 1.2679, 2.5507



# Previews

## White Background



This preview shows how the XYZ color 30.8988, 18.3229, 96.5159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

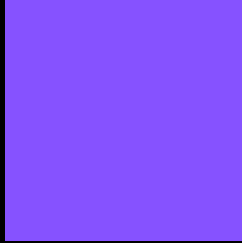
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.8988, 18.3229, 96.5159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

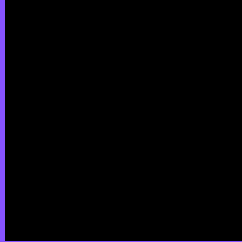
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.8988, 18.3229, 96.5159**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.8988, 18.3229, 96.5159.



This preview shows how white text looks on a background with the XYZ color 30.8988, 18.3229,



# 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

30.8988, 18.3229, 96.5159

### Deuteranopia

18.3460, 18.2782, 62.8827

### Tritanopia

16.3009, 18.0801, 24.1034

# Trichromacy



## Original Color

30.8988, 18.3229, 96.5159



## Deuteranomaly

20.2518, 16.6593, 74.0997



## Tritanomaly

19.9042, 17.1607, 43.3376

# Monochromacy



## Original Color

30.8988, 18.3229, 96.5159



## Achromatopsia

16.9083, 17.7888, 19.3720



## Achromatomaly

20.0937, 16.9016, 38.7625

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.8988, 18.3229, 96.5159 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(134, 82, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 82, 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(134, 82, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 82, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 30.8988, 18.3229, 96.5159 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(134, 82, 255) }
```

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

```
.border{ border-color:rgb(134, 82, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 82, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 82, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 82, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 82,  
255) }
```



# Background

The CSS property to change the background color of an element to XYZ 30.8988, 18.3229, 96.5159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 82, 255) }
```

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

```
.background{ background-color: rgb(134, 82,  
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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