

# Converting Colors

XYZ(34.1146, 30.3299, 98.6640)

Have a look what the booklet for  
XYZ(34.1146, 30.3299, 98.6640)  
contains.

<b>XYZ(34.0867, 30.2923, 98.6582)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(34.0867, 30.2923,  
98.6582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6B90FF
RGB	107, 144, 255
RGB Percent	42%, 56%, 100%
CMY	0.5804, 0.4353, 0.0000
CMYK	0.58, 0.44, 0.00, 0.00
HSL	225°, 100%, 71%
HSV	225°, 58%, 100%
XYZ	34.0867, 30.2923, 98.6582
YIQ	145.5910, -57.6830, 26.6770

# Conversions

## Conversions Part 2

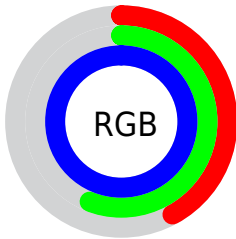
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	107, 137, 255
Decimal	7049471
CIE Lab	61.91, 19.44, -59.21
CIE LCh	62, 62.321, 288.173
Yxy	30.2923, 0.2091, 0.1858
Android (android.graphics.Color)	4285239551 (0xFF6B90FF)
YUV	145.5910, 53.9386, -33.8443
Hunter-Lab	55.0384, 14.2323, -67.7523

# Details

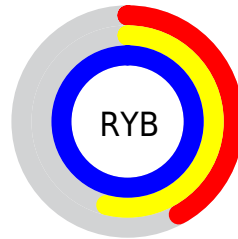
The XYZ color **34.0867, 30.2923, 98.6582** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.9674, 72.4679, 24.2649**, and the grayscale version is **26.9593, 28.3633, 30.8876**.

A 20% lighter version of the original color is **54.1647, 55.4773, 102.4612**, and **14.8229, 12.4060, 55.0394** is the 20% darker color. If you saturate the color by 10%, you get **28.8049, 23.6276, 97.6501**, and if you desaturate by 10%, it is **40.7651, 38.4062, 99.8723**.

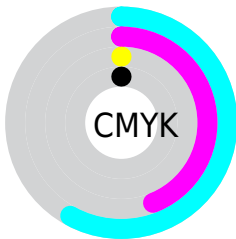
# Distribution



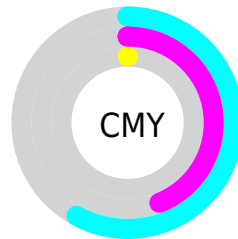
- Red (42%)
- Green (56%)
- Blue (100%)



- Red (42%)
- Yellow (54%)
- Blue (100%)



- Cyan (58%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (44%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0867, 30.2923, 98.6582 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 34.0867, 30.2923, 98.6582 by changing the saturation by 10% instead.



■ 34.0867, 30.2923,  
98.6582

■ 34.0867, 30.2923,  
98.6582

312.0976,  
303.2646, 577.0920

■ 23.1234, 20.0606,  
74.5698

■ 65.4119, 60.1241,  
161.3478

■ 14.8059, 12.4391,  
54.7609

■ 86.5045, 80.4930,  
200.7860

■ 8.7687, 7.0434,  
38.8130

■ 111.7042,  
105.0097, 246.1780

■ 4.6465, 3.4893,  
26.3076

141.3765,  
134.0586, 297.9421

■ 2.0740, 1.3922,  
16.8261

175.8866,  
168.0242, 356.4971

■ 0.6750, 0.2110,  
9.9499

215.5999,

■ 0.0000, 0.0000,

207.2908, 422.2614

5.2606

260.8818,  
252.2428, 495.6535

■ 0.0000, 0.0000,  
2.3396

■ 0.0000, 0.0000,  
0.7533

■ 34.0867, 30.2923,  
98.6582

■ 34.0867, 30.2923,  
98.6582

■ 28.8049, 23.6276,  
97.6501

■ 40.7651, 38.4062,  
99.8723

■ 24.8096, 18.3176,  
96.8358

■ 48.9319, 48.0495,  
101.3032

■ 21.9782, 14.2594,  
96.2017

■ 58.6746, 59.2998,  
102.9613

■ 20.1496, 11.3261,  
95.7319

■ 70.0726, 72.2281,  
104.8559

■ 19.8689, 10.8578,  
95.6563

■ 83.2001, 86.9013,  
106.9963

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.



25.6298, 30.2923, 101.4145



34.0867, 30.2923, 98.6582



42.4655, 30.2923, 74.0503

# Triad

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



34.0867, 30.2923, 98.6582



40.8601, 30.2923, 9.2373



15.7792, 30.2923, 24.4401

# Complementary

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



34.0867, 30.2923, 98.6582



68.9674, 72.4679, 24.2649

# 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.



18.4224, 30.2923, 10.8627



34.0867, 30.2923, 98.6582



32.2040, 30.2923, 5.3649

# Square

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



34.0867, 30.2923, 98.6582



46.8664, 30.2923, 20.6363



24.0760, 30.2923, 5.7666



16.0889, 30.2923, 49.4742



# Rectangle

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



34.0867, 30.2923, 98.6582



46.3844, 30.2923, 53.1666



24.0760, 30.2923, 5.7666



16.3272, 30.2923, 18.6889

# Sweetspot

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



34.0878, 30.2932, 98.6583



71.3512, 73.6663, 105.0661



54.4795, 79.7084, 78.8449



14.7450, 15.1744, 22.4018



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.



34.0878, 30.2932, 98.6583



27.9223, 22.4808, 97.4753



34.8112, 23.6669, 97.3412



17.3719, 18.1153, 22.8310



10.4806, 5.8707, 50.0154



1.1027, 0.7360, 4.8972



# Inverse Universe

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



51.5327, 33.7907, 30.1923



47.3175, 27.8815, 21.0153



67.3283, 87.4874, 27.2503



18.1956, 18.0616, 19.6472



22.0783, 11.3206, 3.7969



2.1912, 1.1188, 0.5882



# Previews

## White Background



This preview shows how the XYZ color 34.0867, 30.2923, 98.6582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

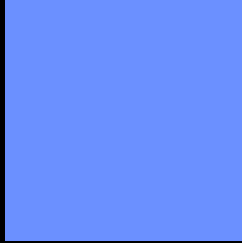
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.0867, 30.2923, 98.6582 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

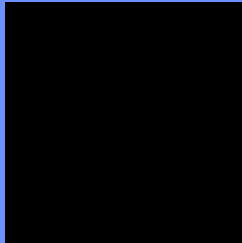
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.0867, 30.2923, 98.6582**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.0867, 30.2923, 98.6582.



This preview shows how white text looks on a background with the XYZ color 34.0867, 30.2923,



# 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

34.0867, 30.2923, 98.6582

### Protanopia

33.5422, 30.2375, 98.6763

### Deuteranopia

31.3085, 30.2823, 97.1234



## Tritanopia

23.4822, 30.3917, 45.1860

# Trichromacy



## Original Color

34.0867, 30.2923, 98.6582

## Protanomaly

33.7689, 30.3544, 98.6869

## Deuteranomaly

32.2256, 30.2669, 97.9095

## Tritanomaly

26.4582, 29.7808, 61.4805

# Monochromacy



## Original Color

34.0867, 30.2923, 98.6582

## Achromatopsia

27.3213, 28.7441, 31.3023

## Achromatomaly

28.5040, 28.7015, 50.4920

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.0867, 30.2923, 98.6582 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(107, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 144, 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(107, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 144, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 34.0867, 30.2923, 98.6582 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(107, 144, 255) }
```



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

```
.border{ border-color:rgb(107, 144, 255) }
```

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

Here you see how a box with a 4 pixel rgb(107, 144, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 144, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 144, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 144,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.0867, 30.2923, 98.6582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 144, 255) }
```

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

```
.background{ background-color: rgb(107,  
144, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor