

Converting Colors

XYZ(32.9245, 30.2491, 79.5540)

Have a look what the booklet for
XYZ(32.9245, 30.2491, 79.5540)
contains.

XYZ(33.0067, 30.3803, 79.7257)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.0067, 30.3803,
79.7257)**

Conversions

Conversions Part 1

Format	Color
Hex	7D91E7
RGB	125, 145, 231
RGB Percent	49%, 57%, 91%
CMY	0.5098, 0.4314, 0.0941
CMYK	0.46, 0.37, 0.00, 0.09
HSL	229°, 69%, 70%
HSV	229°, 46%, 91%
XYZ	33.0067, 30.3803, 79.7257
YIQ	148.8240, -39.5260, 22.5060

Conversions

Conversions Part 2

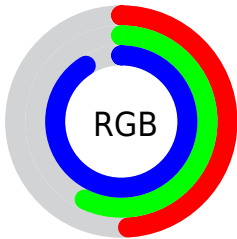
Format	Color
RYB	125, 142, 231
Decimal	8229351
CIELab	61.98, 15.32, -45.81
CIELCh	62, 48.308, 288.490
Yxy	30.3803, 0.2306, 0.2123
Android (android.graphics.Color)	4286419431 (0xFF7D91E7)
YUV	148.8240, 40.5128, -20.8936
Hunter-Lab	55.1183, 10.4347, -47.1770

Details

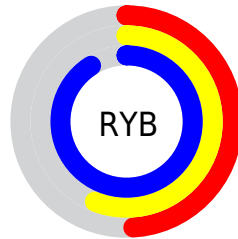
The XYZ color **33.0067, 30.3803, 79.7257** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **59.9525, 65.0603, 28.8018**, and the grayscale version is **28.3413, 29.8173, 32.4710**.

A 20% lighter version of the original color is **57.7648, 58.0119, 102.7606**, and **14.2140, 12.5085, 42.2227** is the 20% darker color. If you saturate the color by 10%, you get **27.3868, 23.5771, 78.7093**, and if you desaturate by 10%, it is **39.8854, 38.5347, 80.9377**.

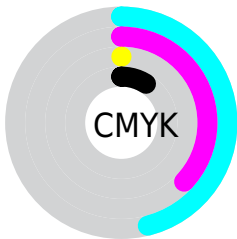
Distribution



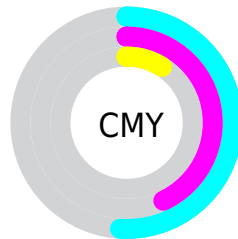
- Red (49%)
- Green (57%)
- Blue (91%)



- Red (49%)
- Yellow (56%)
- Blue (91%)



- Cyan (46%)
- Magenta (37%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (43%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0067, 30.3803, 79.7257 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 33.0067, 30.3803, 79.7257 by changing the saturation by 10% instead.

■ 33.0067, 30.3803,
79.7257

■ 33.0067, 30.3803,
79.7257

307.3444,
303.6731, 513.6903

■ 22.2908, 20.1274,
58.9678

■ 63.7406, 60.2631,
134.7879

■ 14.1886, 12.4877,
42.1674

■ 84.4893, 80.6618,
169.9293

■ 8.3345, 7.0767,
28.9058

■ 109.3131,
105.2112, 210.7024

■ 4.3633, 3.5101,
18.7646

138.5772,
134.2958, 257.5255

■ 1.9097, 1.4035,
11.3252

172.6470,
168.2998, 310.8174

■ 0.5824, 0.2193,
6.1691

211.8879,

■ 0.0000, 0.0000,

207.6078, 370.9964

2.8777

256.6653,
252.6041, 438.4812

■ 0.0000, 0.0000,
1.0326

■ 0.0000, 0.0000,
0.0000

■ 33.0067, 30.3803,
79.7257

■ 33.0067, 30.3803,
79.7257

■ 27.3868, 23.5771,
78.7093

■ 39.8854, 38.5347,
80.9377

■ 22.9440, 18.0472,
77.8761

■ 48.0910, 48.1060,
82.3527

■ 19.5921, 13.7094,
77.2155

■ 57.6904, 59.1592,
83.9802

■ 17.2308, 10.4710,
76.7149

■ 68.7453, 71.7543,
85.8287

■ 15.7395, 8.2241,
76.3598

■ 81.3134, 85.9482,
87.9059

■ 15.3091, 7.5398,
76.2504

■ 91.4239, 98.5496,
89.8054

Harmonies

Analogous

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



26.4619, 30.3803, 81.7626



33.0067, 30.3803, 79.7257



39.2381, 30.3803, 62.7836

Triad

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



33.0067, 30.3803, 79.7257



37.9377, 30.3803, 12.9181



18.3133, 30.3803, 26.4623

Complementary

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



33.0067, 30.3803, 79.7257



59.9525, 65.0603, 28.8018

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.



20.5199, 30.3803, 14.6286



33.0067, 30.3803, 79.7257



31.4317, 30.3803, 8.9976

Square

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



33.0067, 30.3803, 79.7257



42.3654, 30.3803, 23.0106



25.1044, 30.3803, 9.4776



18.6045, 30.3803, 45.7245

Rectangle

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



33.0067, 30.3803, 79.7257



42.0763, 30.3803, 47.9505



25.1044, 30.3803, 9.4776



18.7724, 30.3803, 21.6521

Sweetspot

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



33.0078, 30.3814, 79.7264



74.5597, 76.7385, 105.4900



48.6425, 66.1559, 71.0490



15.3532, 15.7322, 22.4774



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.



33.0078, 30.3814, 79.7264



34.6432, 29.9595, 98.5646



35.6246, 27.5865, 79.0491



13.8018, 14.3249, 18.1819



8.6490, 4.3601, 42.7689



0.7020, 0.4479, 3.1814

Inverse Universe

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



45.4005, 33.7020, 30.9012



52.1656, 35.3939, 29.3633



55.8850, 70.8029, 30.1246



14.4875, 14.4122, 15.5017



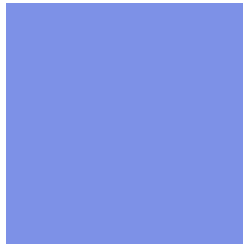
18.7591, 9.6379, 2.3605



1.4180, 0.7249, 0.3415

Previews

White Background



This preview shows how the XYZ color 33.0067, 30.3803, 79.7257 looks on a white background.

Color Contrast Check

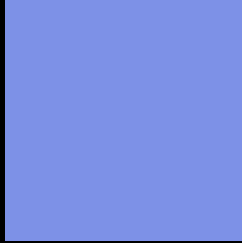
Large Text (above 18pt) WCAG AA × Fail

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 33.0067, 30.3803, 79.7257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

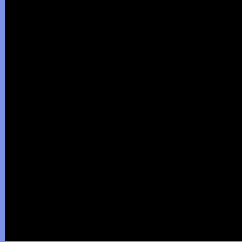
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0067, 30.3803, 79.7257

Background



This preview shows how black text looks on a background with the XYZ color 33.0067, 30.3803, 79.7257.



This preview shows how white text looks on a background with the XYZ color 33.0067, 30.3803,

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

33.0067, 30.3803, 79.7257

Protanopia

32.4704, 30.5452, 80.5284

Deuteranopia

31.3370, 30.4593, 79.0905



Tritanopia

25.6669, 30.5441, 42.5730

Trichromacy



Original Color

33.0067, 30.3803, 79.7257

Protanomaly

32.7295, 30.4489, 80.4961

Deuteranomaly

31.9431, 30.5378, 79.0737

Tritanomaly

27.8451, 30.1656, 54.2241

Monochromacy



Original Color

33.0067, 30.3803, 79.7257

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.5418, 30.0099, 46.8833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0067, 30.3803, 79.7257 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(125, 145, 231)` looks like.

```
.text, #text, p{  
    color:rgb(125, 145, 231)  
}
```

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(125, 145, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 145, 231) }
```

Border

The CSS property to change the border of an element to XYZ 33.0067, 30.3803, 79.7257 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(125, 145, 231) }
```


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

```
.border{ border-color:rgb(125, 145, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 145, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 145, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 145, 231);  
box-shadow:4px 4px 4px 4px rgb(125, 145,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0067, 30.3803, 79.7257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 145, 231) }
```

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

```
.background{ background-color: rgb(125,  
145, 231) }
```

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