

Converting Colors

XYZ(33.0728, 30.2879, 80.3116)

Have a look what the booklet for
XYZ(33.0728, 30.2879, 80.3116)
contains.

XYZ(33.1483, 30.4370, 80.4717)	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(33.1483, 30.4370,
80.4717)**

Conversions

Conversions Part 1

Format	Color
Hex	7D91E8
RGB	125, 145, 232
RGB Percent	49%, 57%, 91%
CMY	0.5098, 0.4314, 0.0902
CMYK	0.46, 0.37, 0.00, 0.09
HSL	229°, 70%, 70%
HSV	229°, 46%, 91%
XYZ	33.1483, 30.4370, 80.4717
YIQ	148.9380, -39.8470, 22.8170

Conversions

Conversions Part 2

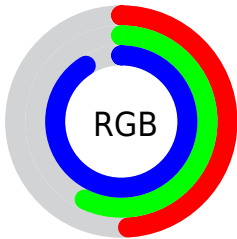
Format	Color
RYB	125, 142, 232
Decimal	8229352
CIELab	62.03, 15.61, -46.29
CIELCh	62, 48.853, 288.639
Yxy	30.4370, 0.2301, 0.2113
Android (android.graphics.Color)	4286419432 (0xFF7D91E8)
YUV	148.9380, 40.9496, -20.9936
Hunter-Lab	55.1697, 10.7033, -47.8628

Details

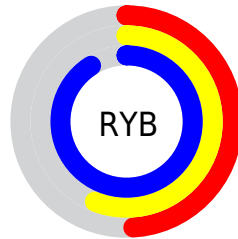
The XYZ color **33.1483, 30.4370, 80.4717** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.5251, 65.7250, 28.8997**, and the grayscale version is **28.3874, 29.8657, 32.5238**.

A 20% lighter version of the original color is **57.7648, 58.0119, 102.7606**, and **14.3126, 12.5480, 42.7419** is the 20% darker color. If you saturate the color by 10%, you get **27.5015, 23.5968, 79.4496**, and if you desaturate by 10%, it is **40.0669, 38.6443, 81.6918**.

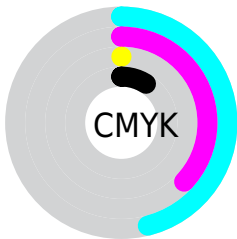
Distribution



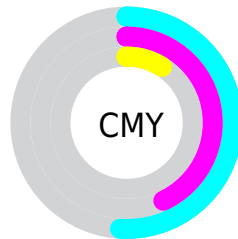
- Red (49%)
- Green (57%)
- Blue (91%)



- 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 33.1483, 30.4370, 80.4717 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 33.1483, 30.4370, 80.4717 by changing the saturation by 10% instead.

■ 33.1483, 30.4370,
80.4717

■ 33.1483, 30.4370,
80.4717

307.9706,
303.9361, 516.2697

■ 22.3999, 20.1705,
59.5781

■ 63.9601, 60.3526,
135.8461

■ 14.2692, 12.5191,
42.6556

■ 84.7542, 80.7705,
171.1640

■ 8.3911, 7.0982,
29.2856

■ 109.6276,
105.3410, 212.1271

■ 4.4001, 3.5236,
19.0496

138.9455,
134.4484, 259.1540

■ 1.9309, 1.4108,
11.5289

173.0735,
168.4773, 312.6632

■ 0.5947, 0.2247,
6.3052

212.3767,

■ 0.0000, 0.0000,

207.8119, 373.0731

2.9597

257.2207,
252.8368, 440.8025

■ 0.0000, 0.0000,
1.0741

■ 0.0000, 0.0000,
0.0000

■ 33.1483, 30.4370,
80.4717

■ 33.1483, 30.4370,
80.4717

■ 27.5015, 23.5968,
79.4496

■ 40.0669, 38.6443,
81.6918

■ 23.0436, 18.0443,
78.6128

■ 48.3263, 48.2854,
83.1174

■ 19.6869, 13.6970,
77.9506

■ 57.9946, 59.4266,
84.7583

■ 17.3295, 10.4604,
77.4502

■ 69.1342, 72.1287,
86.6229

■ 15.8483, 8.2244,
77.0966

■ 81.8037, 86.4495,
88.7194

■ 15.4427, 7.5804,
76.9937

■ 91.5656, 98.6062,
90.5514

Harmonies

Analogous

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



26.5165, 30.4370, 82.6334



33.1483, 30.4370, 80.4717



39.4601, 30.4370, 63.1807

Triad

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



33.1483, 30.4370, 80.4717



38.0849, 30.4370, 12.7577



18.2467, 30.4370, 26.5251

Complementary

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



33.1483, 30.4370, 80.4717



60.5251, 65.7250, 28.8997

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.



20.4618, 30.4370, 14.5503



33.1483, 30.4370, 80.4717



31.4846, 30.4370, 8.8509

Square

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



33.1483, 30.4370, 80.4717



42.5940, 30.4370, 22.8895



25.0847, 30.4370, 9.3520



18.5530, 30.4370, 46.0702

Rectangle

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



33.1483, 30.4370, 80.4717



42.3294, 30.4370, 48.1074



25.0847, 30.4370, 9.3520



18.7058, 30.4370, 21.6529

Sweetspot

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



33.1495, 30.4381, 80.4724



74.5426, 76.7044, 105.4843



49.0229, 66.7571, 71.6680



15.3491, 15.7240, 22.4760



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.



33.1495, 30.4381, 80.4724



34.6069, 29.8868, 98.5525



35.8246, 27.6731, 79.7978



13.7997, 14.3208, 18.1812



8.6402, 4.3424, 42.7660



0.7010, 0.4459, 3.1811

Inverse Universe

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



45.7241, 33.8687, 30.9164



52.1472, 35.3865, 29.2668



56.3520, 71.4603, 30.2267



14.4865, 14.4118, 15.4962



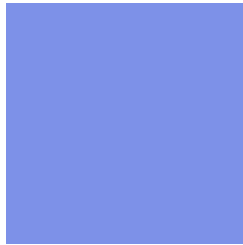
18.7547, 9.6361, 2.3371



1.4175, 0.7247, 0.3389

Previews

White Background



This preview shows how the XYZ color 33.1483, 30.4370, 80.4717 looks on a white background.

Color Contrast Check

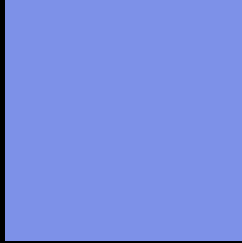
Large Text (above 18pt) WCAG AA × Fail

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 33.1483, 30.4370, 80.4717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

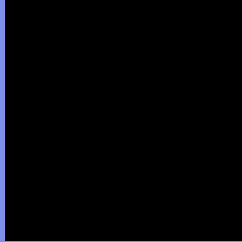
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1483, 30.4370, 80.4717

Background



This preview shows how black text looks on a background with the XYZ color 33.1483, 30.4370, 80.4717.



This preview shows how white text looks on a background with the XYZ color 33.1483, 30.4370,

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

33.1483, 30.4370, 80.4717

Protanopia

32.4778, 30.5325, 81.2724

Deuteranopia

31.3556, 30.4526, 79.8266



Tritanopia

25.5460, 30.4818, 42.5674

Trichromacy



Original Color

33.1483, 30.4370, 80.4717

Protanomaly

32.7326, 30.4340, 81.2400

Deuteranomaly

31.9531, 30.5267, 79.8094

Tritanomaly

27.9563, 30.2101, 54.8098

Monochromacy



Original Color

33.1483, 30.4370, 80.4717

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 33.1483, 30.4370, 80.4717 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(125, 145, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 145, 232) }
```

Border

The CSS property to change the border of an element to XYZ 33.1483, 30.4370, 80.4717 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, 232) }
```


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

```
.border{ border-color:rgb(125, 145, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 145, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 145, 232); box-shadow:4px 4px 4px 4px rgb(125, 145, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1483, 30.4370, 80.4717 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, 232) }
```

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

```
.background{ background-color: rgb(125,  
145, 232) }
```

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