

Converting Colors

XYZ(33.1876, 30.0783, 48.3371)

Have a look what the booklet for
XYZ(33.1876, 30.0783, 48.3371)
contains.

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Color

**XYZ(33.1314, 30.0261,
48.3054)**

Conversions

Conversions Part 1

Format	Color
Hex	A48CB6
RGB	164, 140, 182
RGB Percent	64%, 55%, 71%
CMY	0.3569, 0.4510, 0.2863
CMYK	0.10, 0.23, 0.00, 0.29
HSL	274°, 22%, 63%
HSV	274°, 23%, 71%
XYZ	33.1314, 30.0261, 48.3054
YIQ	151.9640, 0.8220, 18.1500

Conversions

Conversions Part 2

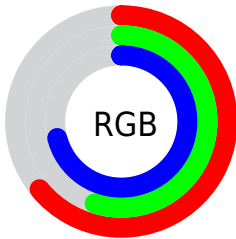
Format	Color
RYB	164, 140, 182
Decimal	10783926
CIELab	61.68, 17.07, -18.61
CIELCh	62, 25.257, 312.533
Yxy	30.0261, 0.2972, 0.2694
Android (android.graphics.Color)	4288974006 (0xFFA48CB6)
YUV	151.9640, 14.8077, 10.5556
Hunter-Lab	54.7961, 12.0335, -13.9098

Details

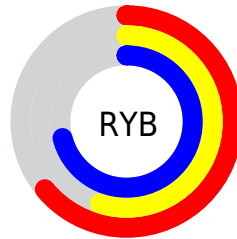
The XYZ color **33.1314, 30.0261, 48.3054** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **35.5633, 42.6193, 31.1644**, and the grayscale version is **29.7682, 31.3185, 34.1058**.

A 20% lighter version of the original color is **63.9378, 59.8167, 89.0648**, and **14.3007, 12.3421, 22.3974** is the 20% darker color. If you saturate the color by 10%, you get **29.1283, 24.3363, 47.4186**, and if you desaturate by 10%, it is **37.6750, 36.6490, 49.3447**.

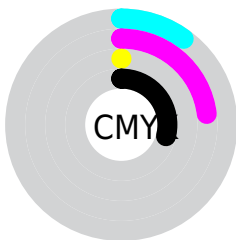
Distribution



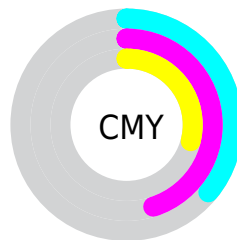
- Red (64%)
- Green (55%)
- Blue (71%)



- Red (64%)
- Yellow (55%)
- Blue (71%)



- Cyan (10%)
- Magenta (23%)
- Yellow (0%)
- Black (29%)





- Cyan (36%)
- Magenta (45%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1314, 30.0261, 48.3054 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 33.1314, 30.0261, 48.3054 by changing the saturation by 10% instead.


 33.1314, 30.0261,
48.3054

 33.1314, 30.0261,
48.3054

307.8959,
302.0261, 396.5450


 22.3868, 19.8584,
33.7071


 63.9339, 59.7035,
89.0292

 14.2596, 12.2922,
22.3931


 84.7226, 79.9819,
115.9918

 8.3844, 6.9430,
13.9450


 109.5900,
104.3994, 147.9129

 4.3957, 3.4265,
7.9441

138.9016,
133.3403, 185.2111

 1.9284, 1.3582,
3.9719

173.0226,
167.1890, 228.3048

 0.5932, 0.1856,
1.6100

212.3184,

 0.0000, 0.0000,

206.3300, 277.6127

0.2979

257.1544,
251.1475, 333.5532

■ 0.0000, 0.0000,
0.0000

■ 33.1314, 30.0261,
48.3054

■ 33.1314, 30.0261,
48.3054

■ 29.1283, 24.3363,
47.4186

■ 37.6750, 36.6490,
49.3447

■ 25.6394, 19.5318,
46.6751

■ 42.7781, 44.2424,
50.5414

■ 22.6406, 15.5659,
46.0677

■ 48.4622, 52.8461,
51.9025

■ 20.1041, 12.3862,
45.5876

■ 54.7468, 62.4966,
53.4341

■ 17.9994, 9.9343,
45.2253

■ 61.6502, 73.2286,
55.1417

■ 16.2913, 8.1429,
44.9695

■ 69.1902, 85.0751,
57.0309

■ 14.9383, 6.9318,
44.8071

■ 73.2980, 89.8962,
57.7449

■ 14.1521, 6.3203,
44.7305

■ 75.6946, 91.1317,
57.8571

■ 78.2026, 92.4246,
57.9745

Harmonies

Analogous

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



29.9635, 30.0261, 54.2774



33.1314, 30.0261, 48.3054



35.1536, 30.0261, 38.5656

Triad

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



33.1314, 30.0261, 48.3054



30.5217, 30.0261, 18.0331



22.6871, 30.0261, 36.8736

Complementary

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



33.1314, 30.0261, 48.3054



35.5633, 42.6193, 31.1644

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.



22.8108, 30.0261, 27.4496



33.1314, 30.0261, 48.3054



27.1602, 30.0261, 17.7573

Square

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



33.1314, 30.0261, 48.3054



33.5676, 30.0261, 21.7156



24.3917, 30.0261, 20.8696



24.0393, 30.0261, 46.8593

Rectangle

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



33.1314, 30.0261, 48.3054



35.4896, 30.0261, 31.8827



24.3917, 30.0261, 20.8696



22.5607, 30.0261, 33.5175

Sweetspot

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



33.1323, 30.0274, 48.3061



73.6901, 74.4273, 90.7177



31.5209, 33.4761, 49.0567



16.1533, 16.2562, 20.0080



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1323, 30.0274, 48.3061



56.0304, 48.6641, 86.6757



36.8273, 31.9653, 46.9835



8.9991, 8.9659, 11.3357



10.0713, 4.5031, 31.5914



0.4244, 0.1945, 1.1169

Inverse Universe

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



34.8421, 31.1712, 36.5296



59.8234, 51.1942, 60.8876



32.4870, 41.0093, 32.1120



9.1601, 9.0744, 10.1904



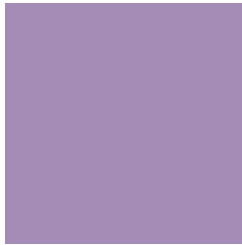
14.6265, 7.4244, 5.9202



0.5468, 0.2742, 0.3726

Previews

White Background



This preview shows how the XYZ color 33.1314, 30.0261, 48.3054 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 33.1314, 30.0261, 48.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

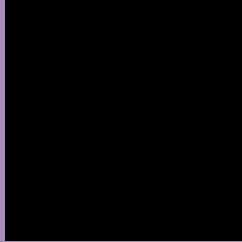
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.1314, 30.0261, 48.3054

Background



This preview shows how black text looks on a background with the XYZ color 33.1314, 30.0261, 48.3054.



This preview shows how white text looks on a background with the XYZ color 33.1314, 30.0261,

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

33.1314, 30.0261, 48.3054

Protanopia

30.2070, 30.2566, 51.2617

Deuteranopia

30.8321, 30.1899, 47.9183



Tritanopia

30.6234, 30.1247, 35.6531

Trichromacy



Original Color

33.1314, 30.0261, 48.3054

Protanomaly

31.0951, 30.0495, 50.0602

Deuteranomaly

31.6402, 30.1527, 47.8685

Tritanomaly

31.3119, 29.9386, 39.7257

Monochromacy



Original Color

33.1314, 30.0261, 48.3054

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.9111, 30.8921, 38.9839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1314, 30.0261, 48.3054 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(164, 140, 182)` looks like.

```
.text, #text, p{  
    color:rgb(164, 140, 182)  
}
```

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(164, 140, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 140, 182) }
```

Border

The CSS property to change the border of an element to XYZ 33.1314, 30.0261, 48.3054 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(164, 140, 182) }
```


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

```
.border{ border-color:rgb(164, 140, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 140, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 140, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 140, 182);  
box-shadow:4px 4px 4px 4px rgb(164, 140,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1314, 30.0261, 48.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 140, 182) }
```

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

```
.background{ background-color: rgb(164,  
140, 182) }
```

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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