

Converting Colors

XYZ(33.0750, 30.0966, 46.7474)

Have a look what the booklet for
XYZ(33.0750, 30.0966, 46.7474)
contains.

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Color

**XYZ(33.0318, 30.0102,
46.6994)**

Conversions

Conversions Part 1

Format	Color
Hex	A58CB3
RGB	165, 140, 179
RGB Percent	65%, 55%, 70%
CMY	0.3529, 0.4510, 0.2980
CMYK	0.08, 0.22, 0.00, 0.30
HSL	278°, 20%, 63%
HSV	278°, 22%, 70%
XYZ	33.0318, 30.0102, 46.6994
YIQ	151.9210, 2.3810, 17.4290

Conversions

Conversions Part 2

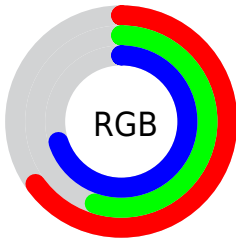
Format	Color
RYB	165, 140, 179
Decimal	10849459
CIELab	61.66, 16.78, -16.93
CIELCh	62, 23.834, 314.752
Yxy	30.0102, 0.3010, 0.2735
Android (android.graphics.Color)	4289039539 (0xFFA58CB3)
YUV	151.9210, 13.3499, 11.4703
Hunter-Lab	54.7816, 11.7629, -12.1956

Details

The XYZ color **33.0318, 30.0102, 46.6994** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **34.1813, 41.0045, 30.9255**, and the grayscale version is **29.7553, 31.3049, 34.0910**.

A 20% lighter version of the original color is **63.8024, 59.7974, 86.7766**, and **14.2321, 12.3294, 21.3684** is the 20% darker color. If you saturate the color by 10%, you get **29.3230, 24.5269, 45.8369**, and if you desaturate by 10%, it is **37.2351, 36.3817, 47.7081**.

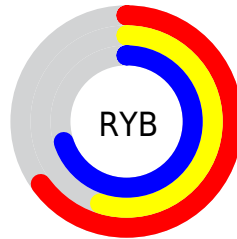
Distribution



Red (65%)

Green (55%)

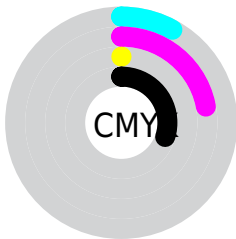
Blue (70%)



Red (65%)

Yellow (55%)

Blue (70%)

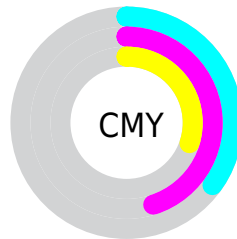


Cyan (8%)

Magenta (22%)

Yellow (0%)

Black (30%)



Cyan (35%)

Magenta (45%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0318, 30.0102, 46.6994 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 33.0318, 30.0102, 46.6994 by changing the saturation by 10% instead.

■ 33.0318, 30.0102,
46.6994

■ 33.0318, 30.0102,
46.6994

307.4555,
301.9520, 389.9723

■ 22.3102, 19.8463,
32.4454

■ 63.7795, 59.6783,
86.6100

■ 14.2029, 12.2834,
21.4343

■ 84.5363, 79.9513,
113.1038

■ 8.3445, 6.9370,
13.2475

■ 109.3689,
104.3629, 144.5145

■ 4.3698, 3.4227,
7.4665

138.6425,
133.2973, 181.2608

■ 1.9134, 1.3562,
3.6727

172.7227,
167.1391, 223.7612

■ 0.5846, 0.1841,
1.4475

211.9746,

■ 0.0000, 0.0000,

206.2725, 272.4342

0.1784

256.7638,
251.0820, 327.6984

■ 0.0000, 0.0000,
0.0000

■ 33.0318, 30.0102,
46.6994

■ 33.0318, 30.0102,
46.6994

■ 29.3230, 24.5269,
45.8369

■ 37.2351, 36.3817,
47.7081

■ 26.0845, 19.8862,
45.1119

■ 41.9501, 43.6762,
48.8676

■ 23.2938, 16.0445,
44.5175

■ 47.1969, 51.9316,
50.1845

■ 20.9256, 12.9525,
44.0455

■ 52.9932, 61.1822,
51.6646

■ 18.9516, 10.5553,
43.6868

■ 59.3561, 71.4609,
53.3132

■ 17.3397, 8.7901,
43.4310

■ 66.3020, 82.7987,
55.1355

■ 16.0519, 7.5825,
43.2658

■ 70.4703, 88.4739,
56.0113

■ 15.1730, 6.8820,
43.1769

■ 72.3367, 89.4360,
56.0986

■ 74.2774, 90.4365,
56.1894

Harmonies

Analogous

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



30.1035, 30.0102, 52.6203



33.0318, 30.0102, 46.6994



34.8149, 30.0102, 37.4829

Triad

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



33.0318, 30.0102, 46.6994



30.1562, 30.0102, 18.5672



23.0285, 30.0102, 37.3236

Complementary

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



33.0318, 30.0102, 46.6994



34.1813, 41.0045, 30.9255

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.



23.0403, 30.0102, 28.2987



33.0318, 30.0102, 46.6994



27.0003, 30.0102, 18.5404

Square

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



33.0318, 30.0102, 46.6994



33.0729, 30.0102, 21.8666



24.4458, 30.0102, 21.7852



24.4122, 30.0102, 46.5643

Rectangle

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



33.0318, 30.0102, 46.6994



35.0363, 30.0102, 31.2516



24.4458, 30.0102, 21.7852



22.8728, 30.0102, 34.1431

Sweetspot

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



33.0327, 30.0115, 46.7001



70.5116, 71.0458, 86.3780



30.5583, 32.0418, 47.2224



15.5128, 15.5716, 19.1103



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.0327, 30.0115, 46.7001



55.9611, 48.9856, 82.8869



35.5899, 31.3894, 44.1258



8.5482, 8.4911, 10.6947



10.7948, 4.9007, 30.5140



0.4006, 0.1856, 0.9629

Inverse Universe

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



33.8023, 30.6743, 34.7125



57.6613, 50.4287, 57.3669



32.0627, 39.8669, 32.8756



8.6182, 8.5540, 9.4880



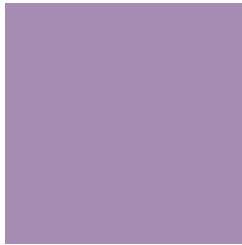
13.8247, 7.0474, 4.2367



0.4635, 0.2331, 0.2834

Previews

White Background



This preview shows how the XYZ color 33.0318, 30.0102, 46.6994 looks on a white background.

Color Contrast Check

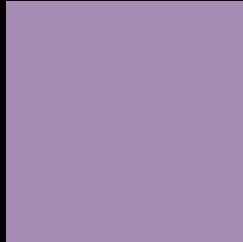
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0318, 30.0102, 46.6994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

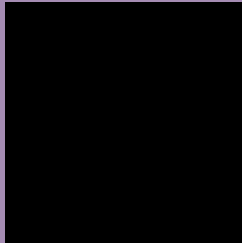
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0318, 30.0102, 46.6994

Background



This preview shows how black text looks on a background with the XYZ color 33.0318, 30.0102, 46.6994.



This preview shows how white text looks on a background with the XYZ color 33.0318, 30.0102,

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

33.0318, 30.0102, 46.6994

Protanopia

30.0569, 30.2159, 49.5955

Deuteranopia

30.7092, 30.1617, 46.3227



Tritanopia

30.6720, 29.9239, 35.6118

Trichromacy



Original Color

33.0318, 30.0102, 46.6994

Protanomaly

30.9633, 30.0178, 48.4180

Deuteranomaly

31.5267, 30.1294, 46.2734

Tritanomaly

31.4236, 30.0066, 39.2576

Monochromacy



Original Color

33.0318, 30.0102, 46.6994

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.0161, 30.9565, 38.5229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0318, 30.0102, 46.6994 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(165, 140, 179)` looks like.

```
.text, #text, p{  
    color:rgb(165, 140, 179)  
}
```

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(165, 140, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 140, 179) }
```

Border

The CSS property to change the border of an element to XYZ 33.0318, 30.0102, 46.6994 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(165, 140, 179) }
```


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

```
.border{ border-color:rgb(165, 140, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 140, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 140, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 140, 179);  
box-shadow:4px 4px 4px 4px rgb(165, 140,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0318, 30.0102, 46.6994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 140, 179) }
```

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

```
.background{ background-color: rgb(165,  
140, 179) }
```

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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