

Converting Colors

XYZ(33.0709, 29.8505, 45.0674)

Have a look what the booklet for
XYZ(33.0709, 29.8505, 45.0674)
contains.

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Color

**XYZ(33.0054, 29.8153,
45.0897)**

Conversions

Conversions Part 1

Format	Color
Hex	A78BB0
RGB	167, 139, 176
RGB Percent	65%, 55%, 69%
CMY	0.3451, 0.4549, 0.3098
CMYK	0.05, 0.21, 0.00, 0.31
HSL	285°, 19%, 62%
HSV	285°, 21%, 69%
XYZ	33.0054, 29.8153, 45.0897
YIQ	151.5900, 4.8110, 17.4430

Conversions

Conversions Part 2

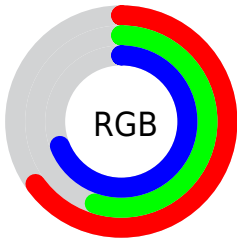
Format	Color
RYB	167, 139, 176
Decimal	10980272
CIELab	61.49, 17.41, -15.46
CIELCh	61, 23.287, 318.394
Yxy	29.8153, 0.3059, 0.2763
Android (android.graphics.Color)	4289170352 (0xFFA78BB0)
YUV	151.5900, 12.0341, 13.5146
Hunter-Lab	54.6034, 12.3396, -10.7374

Details

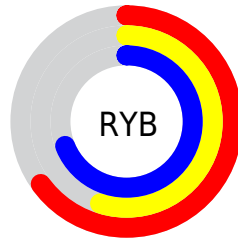
The XYZ color **33.0054, 29.8153, 45.0897** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **32.3994, 39.2115, 30.2885**, and the grayscale version is **29.6176, 31.1601, 33.9333**.

A 20% lighter version of the original color is **63.7597, 59.4957, 84.4673**, and **14.2178, 12.2197, 20.3482** is the 20% darker color. If you saturate the color by 10%, you get **29.7700, 24.6647, 44.2665**, and if you desaturate by 10%, it is **36.6828, 35.8044, 46.0523**.

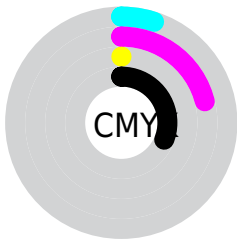
Distribution



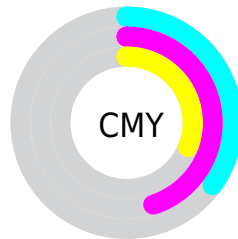
- Red (65%)
- Green (55%)
- Blue (69%)



- Red (65%)
- Yellow (55%)
- Blue (69%)



- Cyan (5%)
- Magenta (21%)
- Yellow (0%)
- Black (31%)



- Cyan (35%)
- Magenta (45%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0054, 29.8153, 45.0897 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 33.0054, 29.8153, 45.0897 by changing the saturation by 10% instead.

■ 33.0054, 29.8153,
45.0897

■ 33.0054, 29.8153,
45.0897

307.3386,
301.0426, 383.3074

■ 22.2898, 19.6984,
31.1846

■ 63.7386, 59.3700,
84.1749

■ 14.1878, 12.1760,
20.4798

■ 84.4869, 79.5766,
110.1921

■ 8.3340, 6.8637,
12.5568

■ 109.3102,
103.9152, 141.0837

■ 4.3630, 3.3770,
6.9969

138.5738,
132.7702, 177.2683

■ 1.9095, 1.3316,
3.3818

172.6431,
166.5261, 219.1644

■ 0.5823, 0.1655,
1.2927

211.8834,

■ 0.0000, 0.0000,

205.5672, 267.1906

0.0558

256.6602,
250.2779, 321.7655

■ 0.0000, 0.0000,
0.0000

■ 33.0054, 29.8153,
45.0897

■ 33.0054, 29.8153,
45.0897

■ 29.7700, 24.6647,
44.2665

■ 36.6828, 35.8044,
46.0523

■ 26.9541, 20.3094,
43.5743

■ 40.8181, 42.6650,
47.1586

■ 24.5369, 16.7082,
43.0066

■ 45.4296, 50.4327,
48.4149

■ 22.4952, 13.8145,
42.5556

■ 50.5338, 59.1401,
49.8266

■ 20.8026, 11.5764,
42.2129

■ 56.1465, 68.8184,
51.3988

■ 19.4295, 9.9350,
41.9684

■ 62.2826, 79.4970,
53.1366

■ 18.3406, 8.8204,
41.8106

■ 66.6149, 86.5210,
54.2640

■ 17.5390, 8.1364,
41.7209

■ 67.7518, 87.1071,
54.3173

■ 68.9208, 87.7098,
54.3720

Harmonies

Analogous

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



30.2503, 29.8153, 51.3819



33.0054, 29.8153, 45.0897



34.5499, 29.8153, 35.9999

Triad

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



33.0054, 29.8153, 45.0897



29.5477, 29.8153, 18.5135



23.0782, 29.8153, 38.1201

Complementary

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



33.0054, 29.8153, 45.0897



32.3994, 39.2115, 30.2885

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.



22.9202, 29.8153, 29.1672



33.0054, 29.8153, 45.0897



26.5091, 29.8153, 18.8736

Square

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



33.0054, 29.8153, 45.0897



32.4591, 29.8153, 21.3537



24.1338, 29.8153, 22.4467



24.5824, 29.8153, 46.8821

Rectangle

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



33.0054, 29.8153, 45.0897



34.6158, 29.8153, 30.0484



24.1338, 29.8153, 22.4467



22.8701, 29.8153, 35.0053

Sweetspot

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



33.0063, 29.8166, 45.0903



70.1107, 70.8517, 84.4758



29.1143, 29.8832, 45.3083



15.0923, 15.1858, 18.2800



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.0063, 29.8166, 45.0903



57.1732, 49.7672, 81.0880



34.0900, 30.4774, 40.5250



8.6441, 8.5405, 10.6992



12.9232, 5.9979, 30.6136



0.4553, 0.2138, 0.9655

Inverse Universe

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



32.4835, 29.8348, 32.0651



56.1209, 49.8417, 53.1626



31.5390, 38.6865, 33.9271



8.5783, 8.5380, 9.2779



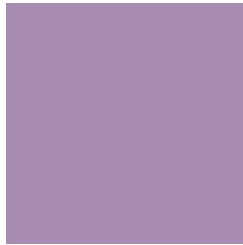
13.4742, 6.9073, 2.3914



0.4473, 0.2267, 0.1983

Previews

White Background



This preview shows how the XYZ color 33.0054, 29.8153, 45.0897 looks on a white background.

Color Contrast Check

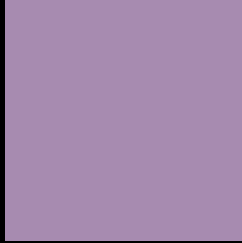
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0054, 29.8153, 45.0897 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 × Fail

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

XYZ 33.0054, 29.8153, 45.0897

Background



This preview shows how black text looks on a background with the XYZ color 33.0054, 29.8153, 45.0897.



This preview shows how white text looks on a background with the XYZ color 33.0054, 29.8153,

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

33.0054, 29.8153, 45.0897

Protanopia

29.8617, 29.9076, 48.4548

Deuteranopia

30.4409, 29.8300, 44.7108



Tritanopia

30.9650, 29.8705, 34.7054

Trichromacy



Original Color

33.0054, 29.8153, 45.0897

Protanomaly

30.7892, 29.7258, 47.2949

Deuteranomaly

31.2706, 29.8080, 44.6628

Tritanomaly

31.7116, 29.9540, 38.2927

Monochromacy



Original Color

33.0054, 29.8153, 45.0897

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.7714, 30.6087, 38.0045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0054, 29.8153, 45.0897 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(167, 139, 176)` looks like.

```
.text, #text, p{  
    color:rgb(167, 139, 176)  
}
```

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(167, 139, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 139, 176) }
```

Border

The CSS property to change the border of an element to XYZ 33.0054, 29.8153, 45.0897 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(167, 139, 176) }
```


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

```
.border{ border-color:rgb(167, 139, 176) }
```

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

Here you see how a box with a 4 pixel rgb(167, 139, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 139, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 139, 176);  
box-shadow:4px 4px 4px 4px rgb(167, 139,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0054, 29.8153, 45.0897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 139, 176) }
```

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

```
.background{ background-color: rgb(167,  
139, 176) }
```

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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