

Converting Colors

XYZ(32.9034, 30.3098, 45.4144)

Have a look what the booklet for
XYZ(32.9034, 30.3098, 45.4144)
contains.

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Color

**XYZ(33.0265, 30.4799,
45.2168)**

Conversions

Conversions Part 1

Format	Color
Hex	A58EB0
RGB	165, 142, 176
RGB Percent	65%, 56%, 69%
CMY	0.3529, 0.4431, 0.3098
CMYK	0.06, 0.19, 0.00, 0.31
HSL	281°, 18%, 62%
HSV	281°, 19%, 69%
XYZ	33.0265, 30.4799, 45.2168
YIQ	152.7530, 2.7940, 15.4500

Conversions

Conversions Part 2

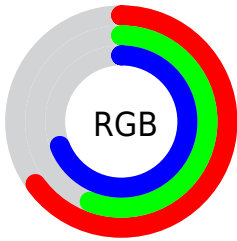
Format	Color
R _Y B	165, 142, 176
Decimal	10849968
CIE Lab	62.07, 15.02, -14.62
CIE LCh	62, 20.962, 315.786
Yxy	30.4799, 0.3038, 0.2803
Android (android.graphics.Color)	4289040048 (0xFFA58EB0)
YUV	152.7530, 11.4608, 10.7406
Hunter-Lab	55.2086, 10.1659, -9.9135

Details

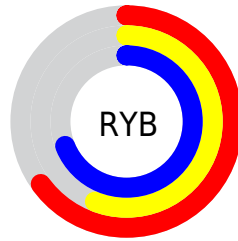
The XYZ color **33.0265, 30.4799, 45.2168** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **33.5457, 39.7767, 31.5023**, and the grayscale version is **30.1226, 31.6914, 34.5119**.

A 20% lighter version of the original color is **63.8206, 60.5217, 84.6621**, and **14.2123, 12.5951, 20.4209** is the 20% darker color. If you saturate the color by 10%, you get **29.4539, 25.0536, 44.3582**, and if you desaturate by 10%, it is **37.0672, 36.7629, 46.2170**.

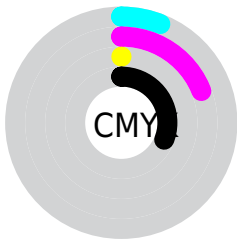
Distribution



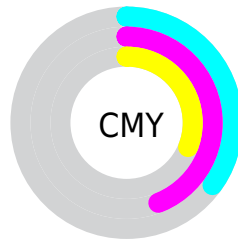
- Red (65%)
- Green (56%)
- Blue (69%)



- Red (65%)
- Yellow (56%)
- Blue (69%)



- Cyan (6%)
- Magenta (19%)
- Yellow (0%)
- Black (31%)



- Cyan (35%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0265, 30.4799, 45.2168 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 33.0265, 30.4799, 45.2168 by changing the saturation by 10% instead.

■ 33.0265, 30.4799,
45.2168

■ 33.0265, 30.4799,
45.2168

307.4320,
304.1350, 383.8366

■ 22.3061, 20.2031,
31.2840

■ 63.7713, 60.4203,
84.3675

■ 14.1998, 12.5428,
20.5550

■ 84.5264, 80.8527,
110.4226

■ 8.3424, 7.1145,
12.6110

■ 109.3571,
105.4391, 141.3555

■ 4.3685, 3.5338,
7.0337

138.6287,
134.5639, 177.5848

■ 1.9126, 1.4164,
3.4044

172.7067,
168.6115, 219.5290

■ 0.5842, 0.2287,
1.3047

211.9563,

■ 0.0000, 0.0000,

207.9663, 267.6067

0.0656

256.7430,
253.0127, 322.2364

■ 0.0000, 0.0000,
0.0000

■ 33.0265, 30.4799,
45.2168

■ 33.0265, 30.4799,
45.2168

■ 29.4539, 25.0536,
44.3582

■ 37.0672, 36.7629,
46.2170

■ 26.3266, 20.4412,
43.6327

■ 41.5918, 43.9352,
47.3629

■ 23.6238, 16.6016,
43.0340

■ 46.6191, 52.0324,
48.6609

■ 21.3221, 13.4888,
42.5545

■ 52.1658, 61.0872,
50.1163

■ 19.3954, 11.0519,
42.1857

■ 58.2477, 71.1303,
51.7343

■ 17.8142, 9.2331,
41.9180

■ 64.8801, 82.1914,
53.5197

■ 16.5441, 7.9643,
41.7400

■ 68.7353, 87.6141,
54.3632

■ 15.5188, 7.1143,
41.6300

■ 70.3336, 88.4381,
54.4380

■ 15.4521, 7.0606,
41.6232

■ 71.9896, 89.2918,
54.5155

Harmonies

Analogous

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



30.4682, 30.4799, 50.4558



33.0265, 30.4799, 45.2168



34.5418, 30.4799, 37.1422

Triad

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



33.0265, 30.4799, 45.2168



30.3201, 30.4799, 20.3117



24.0664, 30.4799, 37.5867

Complementary

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



33.0265, 30.4799, 45.2168



33.5457, 39.7767, 31.5023

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.



24.0325, 30.4799, 29.5238



33.0265, 30.4799, 45.2168



27.5222, 30.4799, 20.3911

Square

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



33.0265, 30.4799, 45.2168



32.9121, 30.4799, 23.2685



25.2605, 30.4799, 23.5066



25.3564, 30.4799, 45.5873

Rectangle

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



33.0265, 30.4799, 45.2168



34.6974, 30.4799, 31.6488



25.2605, 30.4799, 23.5066



23.9107, 30.4799, 34.7752

Sweetspot

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



33.0274, 30.4812, 45.2175



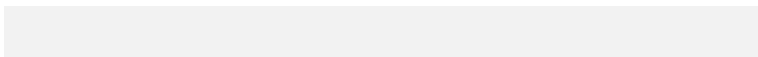
69.7649, 70.6734, 84.4596



30.4388, 31.7784, 45.6043



15.0098, 15.1433, 18.2762



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.



33.0274, 30.4812, 45.2175



57.1518, 51.0767, 81.3419



34.8656, 31.4923, 42.4374



8.5774, 8.5062, 10.6961



11.4006, 5.2130, 30.5423



0.4166, 0.1938, 0.9637

Inverse Universe

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



33.3283, 30.8773, 34.3417



57.8532, 51.9579, 57.8969



32.0007, 38.9298, 33.7078



8.6059, 8.5491, 9.4233



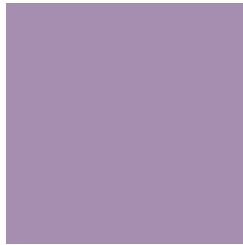
13.7019, 6.9983, 3.5902



0.4585, 0.2312, 0.2574

Previews

White Background



This preview shows how the XYZ color 33.0265, 30.4799, 45.2168 looks on a white background.

Color Contrast Check

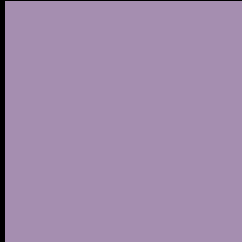
Large Text (above 18pt) WCAG AA × Fail

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 33.0265, 30.4799, 45.2168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

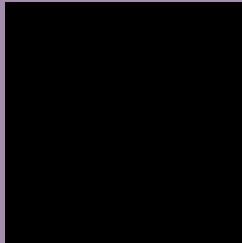
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0265, 30.4799, 45.2168

Background



This preview shows how black text looks on a background with the XYZ color 33.0265, 30.4799, 45.2168.



This preview shows how white text looks on a background with the XYZ color 33.0265, 30.4799,

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

33.0265, 30.4799, 45.2168

Protanopia

30.4156, 30.6707, 48.0330

Deuteranopia

31.1536, 30.4252, 44.7881



Tritanopia

31.1115, 30.3665, 36.1199

Trichromacy



Original Color

33.0265, 30.4799, 45.2168

Protanomaly

31.1781, 30.3918, 46.8708

Deuteranomaly

31.7679, 30.5140, 44.7729

Tritanomaly

31.7784, 30.4134, 39.3174

Monochromacy



Original Color

33.0265, 30.4799, 45.2168

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.0851, 31.2362, 38.1090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0265, 30.4799, 45.2168 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, 142, 176)` looks like.

```
.text, #text, p{  
    color:rgb(165, 142, 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(165, 142, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 142, 176) }
```

Border

The CSS property to change the border of an element to XYZ 33.0265, 30.4799, 45.2168 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, 142, 176) }
```


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

```
.border{ border-color:rgb(165, 142, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 142, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 142, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 142, 176);  
box-shadow:4px 4px 4px 4px rgb(165, 142,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0265, 30.4799, 45.2168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 142, 176) }
```

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

```
.background{ background-color: rgb(165,  
142, 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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