

Converting Colors

XYZ(33.3361, 29.2481, 45.2302)

Have a look what the booklet for
XYZ(33.3361, 29.2481, 45.2302)
contains.

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Color

**XYZ(33.5346, 29.4406,
45.5101)**

Conversions

Conversions Part 1

Format	Color
Hex	AB88B1
RGB	171, 136, 177
RGB Percent	67%, 53%, 69%
CMY	0.3294, 0.4667, 0.3059
CMYK	0.03, 0.23, 0.00, 0.31
HSL	291°, 21%, 61%
HSV	291°, 23%, 69%
XYZ	33.5346, 29.4406, 45.5101
YIQ	151.1390, 7.6990, 20.1710

Conversions

Conversions Part 2

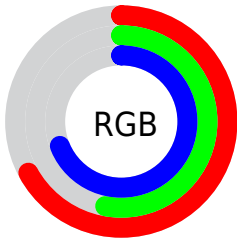
Format	Color
RYB	171, 136, 177
Decimal	11241649
CIELab	61.17, 20.69, -16.49
CIELCh	61, 26.453, 321.445
Yxy	29.4406, 0.3091, 0.2714
Android (android.graphics.Color)	4289431729 (0xFFAB88B1)
YUV	151.1390, 12.7495, 17.4181
Hunter-Lab	54.2592, 15.3674, -11.7483

Details

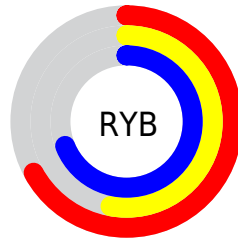
The XYZ color **33.5346, 29.4406, 45.5101** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.3224, 38.9734, 29.1658**, and the grayscale version is **29.4205, 30.9527, 33.7075**.

A 20% lighter version of the original color is **64.8000, 59.0410, 85.0715**, and **14.4371, 11.9624, 20.6168** is the 20% darker color. If you saturate the color by 10%, you get **30.6863, 24.5729, 44.7211**, and if you desaturate by 10%, it is **36.8074, 35.1398, 46.4381**.

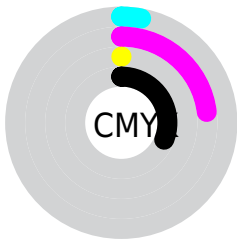
Distribution



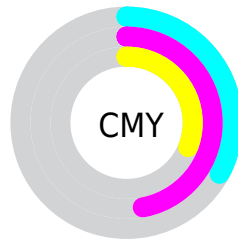
- Red (67%)
- Green (53%)
- Blue (69%)



- Red (67%)
- Yellow (53%)
- Blue (69%)



- Cyan (3%)
- Magenta (23%)
- Yellow (0%)
- Black (31%)



- Cyan (33%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5346, 29.4406, 45.5101 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 33.5346, 29.4406, 45.5101 by changing the saturation by 10% instead.

■ 33.5346, 29.4406,
45.5101

■ 33.5346, 29.4406,
45.5101

309.6744,
299.2882, 385.0558

■ 22.6975, 19.4144,
31.5135

■ 64.5584, 58.7764,
84.8119

■ 14.4898, 11.9701,
20.7285

■ 85.4758, 78.8547,
110.9542

■ 8.5461, 6.7233,
12.7364

■ 110.4840,
103.0526, 141.9822

■ 4.5010, 3.2897,
7.1187

139.9483,
131.7543, 178.3143

■ 1.9893, 1.2848,
3.4569

174.2342,
165.3444, 220.3692

■ 0.6279, 0.1294,
1.3324

213.7069,

■ 0.0000, 0.0000,

204.2071, 268.5654

0.0881

258.7319,
248.7269, 323.3214

■ 0.0000, 0.0000,
0.0000

■ 33.5346, 29.4406,
45.5101

■ 33.5346, 29.4406,
45.5101

■ 30.6863, 24.5729,
44.7211

■ 36.8074, 35.1398,
46.4381

■ 28.2396, 20.4926,
44.0625

■ 40.5209, 41.7044,
47.5095

■ 26.1734, 17.1571,
43.5276

■ 44.6936, 49.1709,
48.7307

■ 24.4635, 14.5182,
43.1083

■ 49.3424, 57.5728,
50.1074

■ 23.0832, 12.5221,
42.7958

■ 54.4830, 66.9416,
51.6449

■ 22.0013, 11.1072,
42.5797

■ 60.1307, 77.3075,
53.3480

■ 21.1810, 10.1995,
42.4477

■ 64.7151, 85.5301,
54.6935

■ 20.7168, 9.7632,
42.3880

■ 65.3640, 85.8647,
54.7239

■ 66.0245, 86.2052,
54.7548

Harmonies

Analogous

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



30.4949, 29.4406, 53.3482



33.5346, 29.4406, 45.5101



35.1170, 29.4406, 34.9849

Triad

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



33.5346, 29.4406, 45.5101



28.9873, 29.4406, 16.6224



22.2171, 29.4406, 39.5667

Complementary

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



33.5346, 29.4406, 45.5101



31.3224, 38.9734, 29.1658

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.



21.8862, 29.4406, 29.2949



33.5346, 29.4406, 45.5101



25.6118, 29.4406, 17.3498

Square

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



33.5346, 29.4406, 45.5101



32.3530, 29.4406, 19.3081



23.0796, 29.4406, 21.5548



24.0243, 29.4406, 49.4529

Rectangle

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



33.5346, 29.4406, 45.5101



35.0490, 29.4406, 28.4096



23.0796, 29.4406, 21.5548



21.9359, 29.4406, 36.0014

Sweetspot

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



33.5355, 29.4419, 45.5107



69.8422, 69.8479, 84.2962



27.7857, 27.8006, 45.4970



15.0525, 14.9895, 18.2442



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.



33.5355, 29.4419, 45.5107



57.2556, 47.9127, 80.7257



33.5161, 29.5885, 38.4317



8.7254, 8.5825, 10.7030



15.0496, 7.0942, 30.7131



0.5067, 0.2403, 0.9679

Inverse Universe

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



31.8191, 28.9097, 29.4956



53.6742, 46.8185, 46.5821



31.4098, 38.8926, 34.8549



8.5454, 8.5249, 9.1043



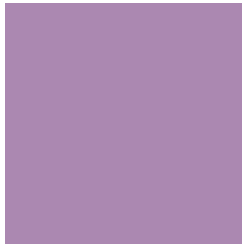
13.2855, 6.8317, 1.3973



0.4338, 0.2213, 0.1270

Previews

White Background



This preview shows how the XYZ color 33.5346, 29.4406, 45.5101 looks on a white background.

Color Contrast Check

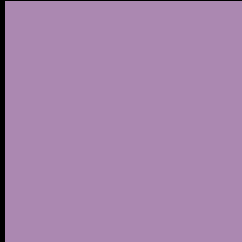
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5346, 29.4406, 45.5101 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 33.5346, 29.4406, 45.5101

Background



This preview shows how black text looks on a background with the XYZ color 33.5346, 29.4406, 45.5101.



This preview shows how white text looks on a background with the XYZ color 33.5346, 29.4406,

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

33.5346, 29.4406, 45.5101

Protanopia

29.5781, 29.5074, 49.4840

Deuteranopia

30.1055, 29.4312, 44.6515



Tritanopia

31.1287, 29.5322, 33.7654

Trichromacy



Original Color

33.5346, 29.4406, 45.5101

Protanomaly

30.7760, 29.2615, 47.7420

Deuteranomaly

31.2660, 29.3524, 45.0920

Tritanomaly

31.8141, 29.3633, 37.7091

Monochromacy



Original Color

33.5346, 29.4406, 45.5101

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.7246, 30.3649, 37.4994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5346, 29.4406, 45.5101 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(171, 136, 177)` looks like.

```
.text, #text, p{  
    color:rgb(171, 136, 177)  
}
```

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(171, 136, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 136, 177) }
```

Border

The CSS property to change the border of an element to XYZ 33.5346, 29.4406, 45.5101 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(171, 136, 177) }
```


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

```
.border{ border-color:rgb(171, 136, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 136, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 136, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 136, 177);  
box-shadow:4px 4px 4px 4px rgb(171, 136,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5346, 29.4406, 45.5101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 136, 177) }
```

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

```
.background{ background-color: rgb(171,  
136, 177) }
```

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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