

Converting Colors

XYZ(33.5306, 29.4237, 45.9375)

Have a look what the booklet for
XYZ(33.5306, 29.4237, 45.9375)
contains.

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Color

**XYZ(33.6346, 29.4806,
46.0371)**

Conversions

Conversions Part 1

Format	Color
Hex	AB88B2
RGB	171, 136, 178
RGB Percent	67%, 53%, 70%
CMY	0.3294, 0.4667, 0.3020
CMYK	0.04, 0.24, 0.00, 0.30
HSL	290°, 21%, 62%
HSV	290°, 24%, 70%
XYZ	33.6346, 29.4806, 46.0371
YIQ	151.2530, 7.3780, 20.4820

Conversions

Conversions Part 2

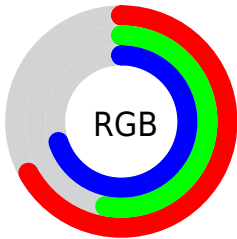
Format	Color
RYB	171, 136, 178
Decimal	11241650
CIELab	61.20, 20.89, -17.00
CIElCh	61, 26.931, 320.854
Yxy	29.4806, 0.3081, 0.2701
Android (android.graphics.Color)	4289431730 (0xFFAB88B2)
YUV	151.2530, 13.1863, 17.3181
Hunter-Lab	54.2960, 15.5568, -12.2642

Details

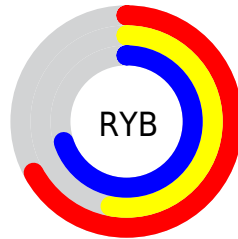
The XYZ color **33.6346, 29.4806, 46.0371** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.6931, 39.4588, 29.2399**, and the grayscale version is **29.4676, 31.0022, 33.7614**.

A 20% lighter version of the original color is **64.9433, 59.0983, 85.8261**, and **14.5007, 11.9878, 20.9516** is the 20% darker color. If you saturate the color by 10%, you get **30.6942, 24.5479, 45.2404**, and if you desaturate by 10%, it is **37.0077, 35.2559, 46.9745**.

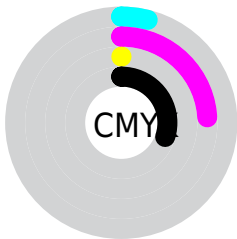
Distribution



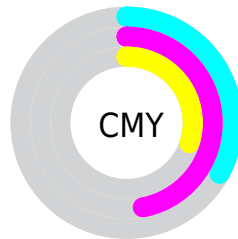
- Red (67%)
- Green (53%)
- Blue (70%)



- Red (67%)
- Yellow (53%)
- Blue (70%)



- Cyan (4%)
- Magenta (24%)
- Yellow (0%)
- Black (30%)



- Cyan (33%)
- Magenta (47%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6346, 29.4806, 46.0371 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 33.6346, 29.4806, 46.0371 by changing the saturation by 10% instead.

■ 33.6346, 29.4806,
46.0371

■ 33.6346, 29.4806,
46.0371

310.1143,
299.4759, 387.2397

■ 22.7746, 19.4447,
31.9262

■ 64.7131, 58.8398,
85.6094

■ 14.5469, 11.9920,
21.0408

■ 85.6623, 78.9319,
111.9079

■ 8.5863, 6.7383,
12.9623

■ 110.7053,
103.1448, 143.1060

■ 4.5273, 3.2990,
7.2722

140.2074,
131.8630, 179.6222

■ 2.0045, 1.2897,
3.5519

174.5340,
165.4707, 221.8752

■ 0.6365, 0.1332,
1.3829

214.0505,

■ 0.0000, 0.0000,

204.3526, 270.2834

0.1283

259.1221,
248.8928, 325.2654

■ 0.0000, 0.0000,
0.0000

■ 33.6346, 29.4806,
46.0371

■ 33.6346, 29.4806,
46.0371

■ 30.6942, 24.5479,
45.2404

■ 37.0077, 35.2559,
46.9745

■ 28.1631, 20.4130,
44.5757

■ 40.8299, 41.9084,
48.0571

■ 26.0197, 17.0324,
44.0361

■ 45.1201, 49.4752,
49.2915

■ 24.2397, 14.3571,
43.6136

■ 49.8955, 57.9902,
50.6834

■ 22.7953, 12.3323,
43.2989

■ 55.1720, 67.4857,
52.2381

■ 21.6550, 10.8949,
43.0815

■ 60.9652, 77.9921,
53.9607

■ 20.7810, 9.9693,
42.9489

■ 65.4757, 85.9107,
55.2514

■ 20.3090, 9.5414,
42.8912

■ 66.2334, 86.3013,
55.2869

■ 67.0063, 86.6997,
55.3231

Harmonies

Analogous

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



30.5127, 29.4806, 53.9659



33.6346, 29.4806, 46.0371



35.2880, 29.4806, 35.2968

Triad

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



33.6346, 29.4806, 46.0371



29.1157, 29.4806, 16.4501



22.1317, 29.4806, 39.5469

Complementary

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



33.6346, 29.4806, 46.0371



31.6931, 39.4588, 29.2399

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.



21.8262, 29.4806, 29.1011



33.6346, 29.4806, 46.0371



25.6677, 29.4806, 17.1177

Square

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



33.6346, 29.4806, 46.0371



32.5383, 29.4806, 19.2360



23.0686, 29.4806, 21.3037



23.9414, 29.4806, 49.7047

Rectangle

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



33.6346, 29.4806, 46.0371



35.2469, 29.4806, 28.5684



23.0686, 29.4806, 21.3037



21.8560, 29.4806, 35.9099

Sweetspot

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



33.6355, 29.4819, 46.0377



71.5015, 71.5561, 86.4244



28.1183, 28.3057, 46.1015



15.7497, 15.6938, 19.1214



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.



33.6355, 29.4819, 46.0377



58.2912, 48.9011, 82.7478



33.9294, 29.7803, 39.4151



8.7083, 8.5736, 10.7022



14.5767, 6.8503, 30.6910



0.4955, 0.2345, 0.9674

Inverse Universe

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



32.1232, 29.0578, 29.9037



55.1540, 48.0400, 48.4354



31.5236, 39.2553, 34.4763



8.5522, 8.5276, 9.1405



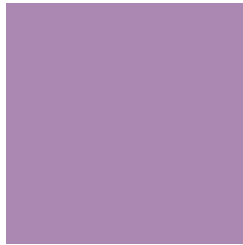
13.3178, 6.8447, 1.5675



0.4366, 0.2224, 0.1420

Previews

White Background



This preview shows how the XYZ color 33.6346, 29.4806, 46.0371 looks on a white background.

Color Contrast Check

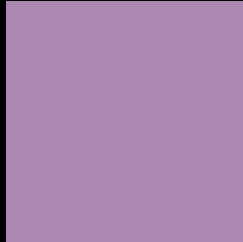
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6346, 29.4806, 46.0371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

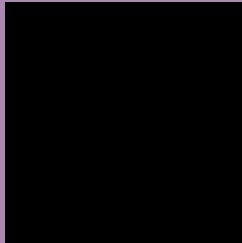
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6346, 29.4806, 46.0371

Background



This preview shows how black text looks on a background with the XYZ color 33.6346, 29.4806, 46.0371.



This preview shows how white text looks on a background with the XYZ color 33.6346, 29.4806,

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

33.6346, 29.4806, 46.0371

Protanopia

29.6833, 29.5495, 50.0381

Deuteranopia

30.1746, 29.6813, 45.2130



Tritanopia

31.1287, 29.5322, 33.7654

Trichromacy



Original Color

33.6346, 29.4806, 46.0371

Protanomaly

30.8790, 29.3027, 48.2845

Deuteranomaly

31.3191, 29.5882, 45.6554

Tritanomaly

31.8141, 29.3633, 37.7091

Monochromacy



Original Color

33.6346, 29.4806, 46.0371

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.8125, 30.4001, 37.9620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6346, 29.4806, 46.0371 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(171, 136, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 136, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.6346, 29.4806, 46.0371 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, 178) }
```


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

```
.border{ border-color:rgb(171, 136, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 136, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 136, 178);  
box-shadow:4px 4px 4px 4px rgb(171, 136,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6346, 29.4806, 46.0371 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, 178) }
```

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

```
.background{ background-color: rgb(171,  
136, 178) }
```

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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