

Converting Colors

$Y_{xy}(46.9508, 0.3106, 0.2817)$

Have a look what the booklet for
Yxy(46.9508, 0.3106, 0.2817)
contains.

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Color

Yxy(46.9508, 0.3106, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	CEABD3
RGB	206, 171, 211
RGB Percent	81%, 67%, 83%
CMY	0.1922, 0.3293, 0.1726
CMYK	0.02, 0.19, 0.00, 0.17
HSL	292°, 31%, 75%
HSV	292°, 19%, 83%
XYZ	51.7675, 46.9508, 67.9512
YIQ	186.0250, 8.0200, 19.8600

Conversions

Conversions Part 2

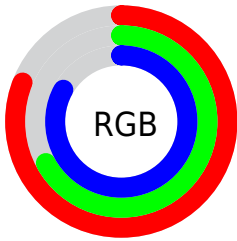
Format	Color
R _Y B	206, 171, 211
Decimal	13544403
CIE Lab	74.16, 19.72, -15.47
CIE LCh	74, 25.059, 321.884
Yxy	46.9508, 0.3106, 0.2817
Android (android.graphics.Color)	4291734483 (0xFFCEABD3)
YUV	186.0250, 12.3127, 17.5181
Hunter-Lab	68.5207, 14.9461, -10.8328

Details

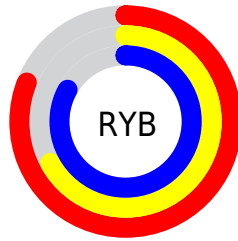
The Yxy color $46.9508, 0.3106, 0.2817$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $58.7548, 0.3140, 0.3800$, and the grayscale version is $49.0437, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.8727, 0.3140, 0.3009$, and $22.1733, 0.3095, 0.2706$ is the 20% darker color. If you saturate the color by 10%, you get $39.2321, 0.3090, 0.2559$, and if you desaturate by 10%, it is $55.9521, 0.3119, 0.3071$.

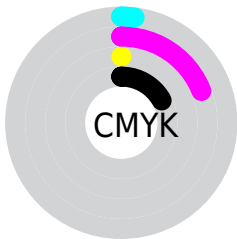
Distribution



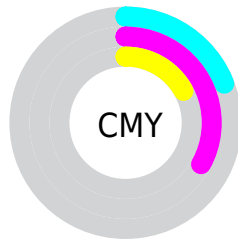
- Red (81%)
- Green (67%)
- Blue (83%)



- Red (81%)
- Yellow (67%)
- Blue (83%)



- Cyan (2%)
- Magenta (19%)
- Yellow (0%)
- Black (17%)




- Cyan (19%)
- Magenta (33%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9508, 0.3106, 0.2817 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 Yxy color 46.9508, 0.3106, 0.2817 by changing the saturation by 10% instead.


 46.9508, 0.3106,
0.2817

 46.9508, 0.3106,
0.2817

374.6181, 0.3120,
0.3045

 32.9968, 0.3102,
0.2763


 85.6402, 0.3112,
0.2898

 22.1240, 0.3096,
0.2695


111.1443, 0.3114,
0.2929

 13.9480, 0.3087,
0.2607


141.2673, 0.3115,
0.2955

 8.0845, 0.3073,
0.2488

176.3934, 0.3117,
0.2978

 4.1491, 0.3050,
0.2322

216.9072, 0.3118,
0.2998

 1.7573, 0.3006,
0.2070

263.1930, 0.3119,

 0.4603, 0.2966,

0.3015

0.1482

315.6351, 0.3119,
0.3031

0.0000, 0.0000,
0.0000

46.9508, 0.3106,
0.2817

46.9508, 0.3106,
0.2817

39.2321, 0.3090,
0.2559

55.9521, 0.3119,
0.3071

32.7298, 0.3070,
0.2306

66.2862, 0.3128,
0.3315

27.3806, 0.3047,
0.2066

78.0080, 0.3135,
0.3545

23.1134, 0.3021,
0.1850

90.9054, 0.3140,
0.3755

19.8490, 0.2991,
0.1668

91.3127, 0.3156,
0.3753

■ 17.4974, 0.2960,
0.1526

■ 91.7266, 0.3173,
0.3751

■ 15.9524, 0.2928,
0.1429

■ 92.1469, 0.3190,
0.3748

■ 15.0434, 0.2896,
0.1372

■ 92.5739, 0.3206,
0.3746

■ 14.9604, 0.2892,
0.1367

■ 93.0074, 0.3223,
0.3744

Harmonies

Analogous

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



46.9508, 0.2777, 0.2721



46.9508, 0.3106, 0.2817



46.9508, 0.3458, 0.3022

Triad

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



46.9508, 0.3106, 0.2817



46.9508, 0.3724, 0.3812



46.9508, 0.2559, 0.3239

Complementary

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



46.9508, 0.3106, 0.2817



58.7548, 0.3140, 0.3800

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.



46.9508, 0.2789, 0.3577



46.9508, 0.3106, 0.2817



46.9508, 0.3461, 0.3917

Square

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



46.9508, 0.3106, 0.2817



46.9508, 0.3825, 0.3580



46.9508, 0.3117, 0.3834



46.9508, 0.2475, 0.2942

Rectangle

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



46.9508, 0.3106, 0.2817



46.9508, 0.3653, 0.3199



46.9508, 0.3117, 0.3834



46.9508, 0.2621, 0.3353

Sweetspot

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



46.9528, 0.3106, 0.2817



90.2619, 0.3122, 0.3143



44.5485, 0.2819, 0.2845



19.1028, 0.3121, 0.3126



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.9528, 0.3106, 0.2817



66.7506, 0.3100, 0.2706



46.9792, 0.3272, 0.2989



11.9308, 0.3118, 0.3060



9.0609, 0.2897, 0.1370



0.5282, 0.2958, 0.1403

Inverse Universe

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



46.1142, 0.3451, 0.3230



65.2432, 0.3545, 0.3215



58.7719, 0.3006, 0.3612



11.8320, 0.3271, 0.3261



8.4123, 0.6231, 0.3206



0.4785, 0.5830, 0.2985

Previews

White Background



This preview shows how the Yxy color 46.9508, 0.3106, 0.2817 looks on a white background.

Color Contrast Check

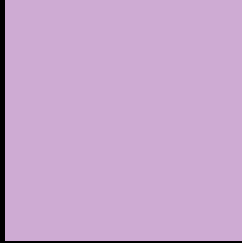
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.9508, 0.3106, 0.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

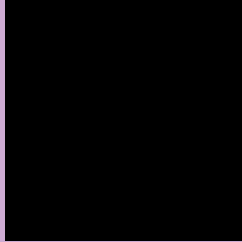
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.9508, 0.3106, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 46.9508, 0.3106, 0.2817.



This preview shows how white text looks on a background with the Yxy color 46.9508, 0.3106, 0.2817.

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

46.9508, 0.3106, 0.2817

Protanopia

47.2237, 0.2805, 0.2827

Deuteranopia

47.0587, 0.2954, 0.2894



Tritanopia

47.0306, 0.3259, 0.3119

Trichromacy



Original Color

46.9508, 0.3106, 0.2817

Protanomaly

46.7897, 0.2909, 0.2822

Deuteranomaly

46.7824, 0.3012, 0.2863

Tritanomaly

47.1407, 0.3202, 0.3011

Monochromacy



Original Color

46.9508, 0.3106, 0.2817

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.3253, 0.3118, 0.3116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9508, 0.3106, 0.2817 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(206, 171, 211)` looks like.

```
.text, #text, p{  
    color:rgb(206, 171, 211)  
}
```

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(206, 171, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 171, 211) }
```

Border

The CSS property to change the border of an element to Yxy 46.9508, 0.3106, 0.2817 is called "border". The border property can be set on classes, ids or directly on the HTML element.

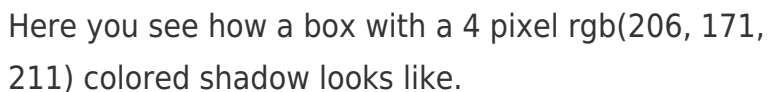
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 171, 211) }
```

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

```
.border{ border-color:rgb(206, 171, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 171, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 171, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 171, 211);  
box-shadow:4px 4px 4px 4px rgb(206, 171,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9508, 0.3106, 0.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 171, 211) }
```

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

```
.background{ background-color: rgb(206,  
171, 211) }
```

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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