

Converting Colors

$Y_{xy}(29.6113, 0.3410, 0.2680)$

Have a look what the booklet for
Yxy(29.6113, 0.3410, 0.2680)
contains.

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Color

Yxy(29.6746, 0.3411, 0.2680)

Conversions

Conversions Part 1

Format	Color
Hex	C47EAD
RGB	196, 126, 173
RGB Percent	77%, 49%, 68%
CMY	0.2314, 0.5059, 0.3215
CMYK	0.00, 0.36, 0.12, 0.23
HSL	320°, 37%, 63%
HSV	320°, 36%, 77%
XYZ	37.7687, 29.6746, 43.2828
YIQ	152.2880, 26.6330, 29.4570

Conversions

Conversions Part 2

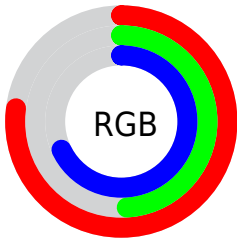
Format	Color
R_{YB}	196, 126, 173
Decimal	12877485
CIE _{Lab}	61.37, 34.09, -13.65
CIE _{LCh}	61, 36.725, 338.172
Yxy	29.6746, 0.3411, 0.2680
Android (android.graphics.Color)	4291067565 (0xFFC47EAD)
YUV	152.2880, 10.2110, 38.3354
Hunter-Lab	54.4744, 28.4290, -8.9770

Details

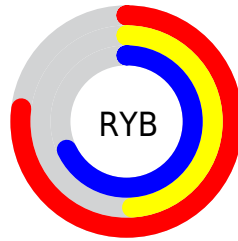
The Yxy color $29.6746, 0.3411, 0.2680$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $46.0818, 0.2926, 0.3994$, and the grayscale version is $31.4777, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.3148, 0.3365, 0.2803$, and $12.0754, 0.3491, 0.2487$ is the 20% darker color. If you saturate the color by 10%, you get $24.9017, 0.3520, 0.2512$, and if you desaturate by 10%, it is $35.4441, 0.3315, 0.2855$.

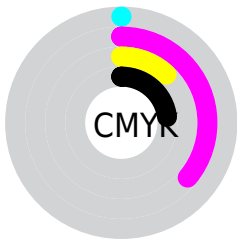
Distribution



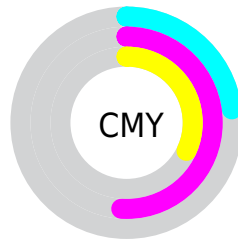
- Red (77%)
- Green (49%)
- Blue (68%)



- Red (77%)
- Yellow (49%)
- Blue (68%)



- Cyan (0%)
- Magenta (36%)
- Yellow (12%)
- Black (23%)



- Cyan (23%)
- Magenta (51%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6746, 0.3411, 0.2680 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 29.6746, 0.3411, 0.2680 by changing the saturation by 10% instead.

 29.6746, 0.3411,
0.2680

 29.6746, 0.3411,
0.2680


300.3847, 0.3266,
0.2992


 19.5917, 0.3448,
0.2600


 59.1472, 0.3358,
0.2795

 12.0986, 0.3496,
0.2497


 79.3057, 0.3338,
0.2837

 6.8109, 0.3561,
0.2358


 103.5916, 0.3321,
0.2873

 3.3441, 0.3652,
0.2160

132.3892, 0.3307,
0.2904

 1.3139, 0.3791,
0.1862

166.0829, 0.3295,
0.2930

 0.1519, 0.4345,
0.0671

205.0571, 0.3284,

 0.0000, 0.0000,

0.2953

0.0000

249.6963, 0.3274,
0.2974

■ 29.6746, 0.3411,
0.2680

■ 29.6746, 0.3411,
0.2680

■ 24.9017, 0.3520,
0.2512

■ 35.4441, 0.3315,
0.2855

■ 21.0635, 0.3643,
0.2360

■ 42.2592, 0.3233,
0.3029

■ 18.0977, 0.3776,
0.2234


■ 50.1706, 0.3162,
0.3197


■ 15.9325, 0.3916,
0.2145


■ 59.2244, 0.3103,
0.3358


■ 14.4846, 0.4059,
0.2101

■ 69.4641, 0.3053,
0.3508


 13.6505, 0.4199,
0.2108

 80.9308, 0.3012,
0.3647

 13.3915, 0.4259,
0.2120

 88.3195, 0.2976,
0.3693

 88.6630, 0.2942,
0.3621

 89.0197, 0.2908,
0.3549

Harmonies

Analogous

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



29.6746, 0.2812, 0.2428



29.6746, 0.3411, 0.2680



29.6746, 0.3974, 0.3065

Triad

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



29.6746, 0.3411, 0.2680



29.6746, 0.3898, 0.4300



29.6746, 0.2088, 0.2883

Complementary

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



29.6746, 0.3411, 0.2680



46.0818, 0.2926, 0.3994

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.



29.6746, 0.2323, 0.3455



29.6746, 0.3411, 0.2680



29.6746, 0.3355, 0.4361

Square

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



29.6746, 0.3411, 0.2680



29.6746, 0.4252, 0.3966



29.6746, 0.2779, 0.4040



29.6746, 0.2099, 0.2504

Rectangle

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



29.6746, 0.3411, 0.2680



29.6746, 0.4223, 0.3365



29.6746, 0.2779, 0.4040



29.6746, 0.2139, 0.3058

Sweetspot

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



29.6760, 0.3411, 0.2680



82.8120, 0.3199, 0.3106



25.2200, 0.2687, 0.2284



17.3097, 0.3209, 0.3083



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.



29.6760, 0.3411, 0.2680



46.7330, 0.3497, 0.2545



28.5173, 0.3815, 0.3119



10.1895, 0.3187, 0.3137



8.6218, 0.4240, 0.2110



0.3848, 0.3956, 0.1953

Inverse Universe

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



29.6760, 0.3411, 0.2680



46.7330, 0.3497, 0.2545



47.3383, 0.2707, 0.3472



10.1895, 0.3187, 0.3137



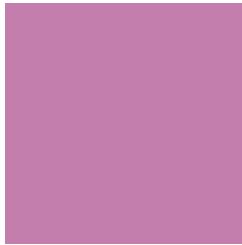
8.6218, 0.4240, 0.2110



0.3848, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 29.6746, 0.3411, 0.2680 looks on a white background.

Color Contrast Check

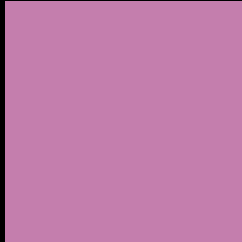
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 29.6746, 0.3411, 0.2680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

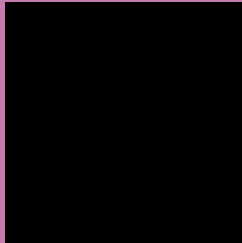
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6746, 0.3411, 0.2680

Background



This preview shows how black text looks on a background with the Yxy color 29.6746, 0.3411, 0.2680.



This preview shows how white text looks on a background with the Yxy color 29.6746, 0.3411, 0.2680.

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

29.6746, 0.3411, 0.2680

Protanopia

29.9443, 0.2702, 0.2693

Deuteranopia

29.9254, 0.2973, 0.2916



Tritanopia

29.6620, 0.3709, 0.3155

Trichromacy



Original Color

29.6746, 0.3411, 0.2680

Protanomaly

29.3162, 0.2933, 0.2672

Deuteranomaly

29.5522, 0.3128, 0.2818

Tritanomaly

29.6026, 0.3598, 0.2981

Monochromacy



Original Color

29.6746, 0.3411, 0.2680

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.5078, 0.3223, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6746, 0.3411, 0.2680 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(196, 126, 173)` looks like.

```
.text, #text, p{  
    color:rgb(196, 126, 173)  
}
```

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(196, 126, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 126, 173) }
```

Border

The CSS property to change the border of an element to Yxy 29.6746, 0.3411, 0.2680 is called "border". The border property can be set on classes, ids or directly on the HTML element.

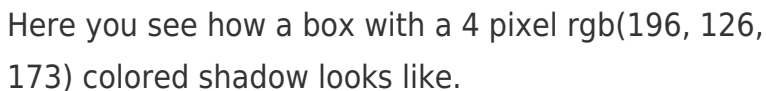
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 126, 173) }
```

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

```
.border{ border-color:rgb(196, 126, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 126, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 126, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 126, 173); box-shadow:4px 4px 4px 4px rgb(196, 126, 173) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6746, 0.3411, 0.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 126, 173) }
```

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

```
.background{ background-color: rgb(196,  
126, 173) }
```

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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