

Converting Colors

$Y_{xy}(29.6569, 0.3418, 0.2686)$

Have a look what the booklet for
Yxy(29.6569, 0.3418, 0.2686)
contains.

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Color

Yxy(29.6360, 0.3422, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	C47EAC
RGB	196, 126, 172
RGB Percent	77%, 49%, 67%
CMY	0.2314, 0.5059, 0.3254
CMYK	0.00, 0.36, 0.12, 0.23
HSL	321°, 37%, 63%
HSV	321°, 36%, 77%
XYZ	37.6725, 29.6360, 42.7806
YIQ	152.1740, 26.9540, 29.1460

Conversions

Conversions Part 2

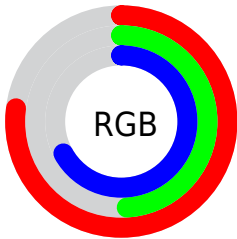
Format	Color
R _Y B	196, 126, 172
Decimal	12877484
CIE Lab	61.34, 33.92, -13.14
CIE LCh	61, 36.381, 338.824
Yxy	29.6360, 0.3422, 0.2692
Android (android.graphics.Color)	4291067564 (0xFFC47EAC)
YUV	152.1740, 9.7742, 38.4354
Hunter-Lab	54.4390, 28.2563, -8.4855

Details

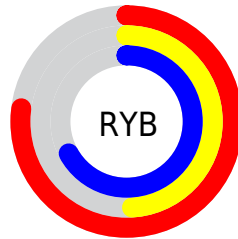
The Yxy color **29.6360, 0.3422, 0.2692** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.1121, 0.2920, 0.3978**, and the grayscale version is **31.4279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2594, 0.3373, 0.2813**, and **12.0509, 0.3508, 0.2503** is the 20% darker color. If you saturate the color by 10%, you get **24.8549, 0.3536, 0.2527**, and if you desaturate by 10%, it is **35.4147, 0.3322, 0.2863**.

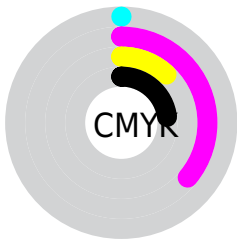
Distribution



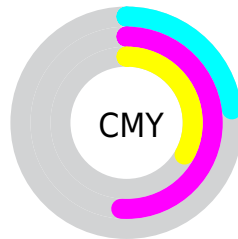
- Red (77%)
- Green (49%)
- Blue (67%)



- Red (77%)
- Yellow (49%)
- Blue (67%)



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





- Cyan (23%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6360, 0.3422, 0.2692 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 29.6360, 0.3422, 0.2692 by changing the saturation by 10% instead.

 29.6360, 0.3422,
0.2692


 29.6360, 0.3422,
0.2692


300.2041, 0.3271,
0.2998

 19.5625, 0.3461,
0.2614


 59.0861, 0.3366,
0.2805

 12.0774, 0.3511,
0.2512


 79.2314, 0.3346,
0.2847

 6.7964, 0.3580,
0.2374


 103.5027, 0.3328,
0.2882

 3.3351, 0.3677,
0.2180

132.2845, 0.3313,
0.2912

 1.3091, 0.3825,
0.1884

165.9612, 0.3300,
0.2938

 0.1482, 0.4417,
0.0671

204.9170, 0.3289,

 0.0000, 0.0000,

0.2961

0.0000

249.5365, 0.3280,
0.2980

■ 29.6360, 0.3422,
0.2692

■ 29.6360, 0.3422,
0.2692

■ 24.8549, 0.3536,
0.2527

■ 35.4147, 0.3322,
0.2863

■ 21.0095, 0.3664,
0.2378

■ 42.2400, 0.3236,
0.3034

■ 18.0375, 0.3804,
0.2254

■ 50.1626, 0.3164,
0.3199

■ 15.8669, 0.3952,
0.2168

■ 59.2287, 0.3102,
0.3356

■ 14.4145, 0.4103,
0.2127

■ 69.4817, 0.3051,
0.3503

■ 13.5769, 0.4251,
0.2137

■ 80.9630, 0.3008,
0.3640

■ 13.3167, 0.4314,
0.2150

■ 88.3687, 0.2971,
0.3682

■ 88.7292, 0.2935,
0.3607

■ 89.1042, 0.2900,
0.3532

Harmonies

Analogous

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



29.6360, 0.2827, 0.2439



29.6360, 0.3422, 0.2692



29.6360, 0.3976, 0.3077

Triad

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



29.6360, 0.3422, 0.2692



29.6360, 0.3881, 0.4296



29.6360, 0.2094, 0.2876

Complementary

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



29.6360, 0.3422, 0.2692



46.1121, 0.2920, 0.3978

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.



29.6360, 0.2322, 0.3441



29.6360, 0.3422, 0.2692



29.6360, 0.3341, 0.4348

Square

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



29.6360, 0.3422, 0.2692



29.6360, 0.4238, 0.3970



29.6360, 0.2770, 0.4022



29.6360, 0.2110, 0.2505

Rectangle

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



29.6360, 0.3422, 0.2692



29.6360, 0.4218, 0.3375



29.6360, 0.2770, 0.4022



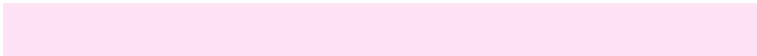
29.6360, 0.2143, 0.3048

Sweetspot

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



29.6374, 0.3422, 0.2692



82.7877, 0.3202, 0.3110



25.3292, 0.2698, 0.2287



17.3039, 0.3212, 0.3087



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.



29.6374, 0.3422, 0.2692



46.6519, 0.3512, 0.2560



28.4830, 0.3829, 0.3135



10.1870, 0.3189, 0.3140



8.5742, 0.4295, 0.2140



0.3830, 0.3994, 0.1974

Inverse Universe

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



29.6374, 0.3422, 0.2692



46.6519, 0.3512, 0.2560



47.3856, 0.2700, 0.3455



10.1870, 0.3189, 0.3140



8.5742, 0.4295, 0.2140



0.3830, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 29.6360, 0.3422, 0.2692 looks on a white background.

Color Contrast Check

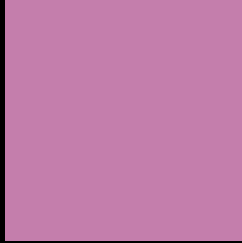
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6360, 0.3422, 0.2692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

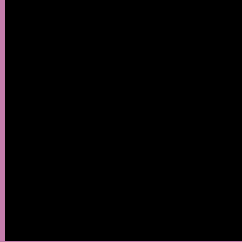
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6360, 0.3422, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 29.6360, 0.3422, 0.2692.



This preview shows how white text looks on a background with the Yxy color 29.6360, 0.3422, 0.2692.

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

29.6360, 0.3422, 0.2692

Protanopia

29.9016, 0.2710, 0.2706

Deuteranopia

29.8877, 0.2982, 0.2930



Tritanopia

29.6620, 0.3709, 0.3155

Trichromacy



Original Color

29.6360, 0.3422, 0.2692

Protanomaly

29.2750, 0.2942, 0.2685

Deuteranomaly

29.5143, 0.3138, 0.2832

Tritanomaly

29.6026, 0.3598, 0.2981

Monochromacy



Original Color

29.6360, 0.3422, 0.2692

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.4730, 0.3233, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6360, 0.3422, 0.2692 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(196, 126, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 126, 172) }
```

Border

The CSS property to change the border of an element to Yxy 29.6360, 0.3422, 0.2692 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, 172) }
```

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

```
.border{ border-color:rgb(196, 126, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 126, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 126, 172);  
box-shadow:4px 4px 4px 4px rgb(196, 126,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6360, 0.3422, 0.2692 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, 172) }
```

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

```
.background{ background-color: rgb(196,  
126, 172) }
```

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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