

Converting Colors

$Yxy(29.9463, 0.2974, 0.2013)$

Have a look what the booklet for
Yxy(29.9463, 0.2974, 0.2013)
contains.

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Color

Yxy(30.0839, 0.2976, 0.2017)

Conversions

Conversions Part 1

Format	Color
Hex	CC71E1
RGB	204, 113, 225
RGB Percent	80%, 44%, 88%
CMY	0.2001, 0.5567, 0.1178
CMYK	0.09, 0.50, 0.00, 0.12
HSL	289°, 65%, 66%
HSV	289°, 50%, 88%
XYZ	44.3875, 30.0839, 74.6803
YIQ	152.9770, 18.2840, 54.1240

Conversions

Conversions Part 2

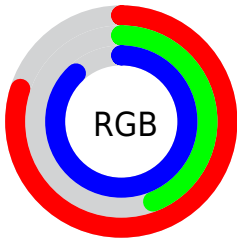
Format	Color
R _Y B	204, 113, 225
Decimal	13398497
CIE Lab	61.73, 52.89, -42.37
CIE LCh	62, 67.769, 321.306
Yxy	30.0839, 0.2976, 0.2017
Android (android.graphics.Color)	4291588577 (0xFFCC71E1)
YUV	152.9770, 35.5073, 44.7472
Hunter-Lab	54.8488, 48.4695, -42.3331

Details

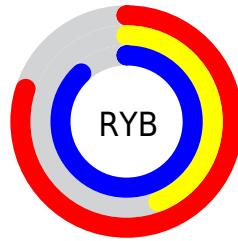
The Yxy color **30.0839, 0.2976, 0.2017** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **60.0990, 0.3180, 0.4809**, and the grayscale version is **31.6841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4853, 0.3167, 0.2441**, and **12.2993, 0.2893, 0.1710** is the 20% darker color. If you saturate the color by 10%, you get **25.0823, 0.2931, 0.1791**, and if you desaturate by 10%, it is **36.3483, 0.3017, 0.2266**.

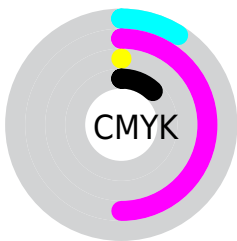
Distribution



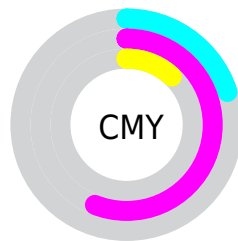
- Red (80%)
- Green (44%)
- Blue (88%)



- Red (80%)
- Yellow (44%)
- Blue (88%)



- Cyan (9%)
- Magenta (50%)
- Yellow (0%)
- Black (12%)




- Cyan (20%)
- Magenta (56%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0839, 0.2976, 0.2017 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 30.0839, 0.2976, 0.2017 by changing the saturation by 10% instead.

 30.0839, 0.2976,
0.2017


 30.0839, 0.2976,
0.2017


302.2953, 0.3079,
0.2621


 19.9023, 0.2943,
0.1879


 59.7948, 0.3019,
0.2227

 12.3240, 0.2897,
0.1709


 80.0929, 0.3034,
0.2309

 6.9648, 0.2830,
0.1498


 104.5320, 0.3045,
0.2379

 3.4401, 0.2726,
0.1232

133.4964, 0.3055,
0.2441

 1.3656, 0.2557,
0.0896

167.3705, 0.3062,
0.2494

 0.1911, 0.2310,
0.0269


206.5388, 0.3069,


 0.0000, 0.1518,

0.2541


0.0000

251.3856, 0.3074,
0.2583


 0.0000, 0.0000,
0.0000

 30.0839, 0.2976,
0.2017


 30.0839, 0.2976,
0.2017


 25.0823, 0.2931,
0.1791

 36.3483, 0.3017,
0.2266

 21.2459, 0.2883,
0.1599


 43.9558, 0.3052,
0.2527


 18.4690, 0.2833,
0.1449

 52.9846, 0.3082,
0.2791

 16.6246, 0.2783,
0.1345

 63.5057, 0.3107,
0.3049

 15.4970, 0.2734,
0.1280

 75.5853, 0.3128,
0.3296

■ 15.4726, 0.2732,
0.1279

■ 89.2856, 0.3144,
0.3528

■ 94.3653, 0.3166,
0.3594

■ 95.0863, 0.3193,
0.3592

■ 95.8245, 0.3220,
0.3590

Harmonies

Analogous

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



30.0839, 0.2084, 0.1772



30.0839, 0.2976, 0.2017



30.0839, 0.4105, 0.2500

Triad

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



30.0839, 0.2976, 0.2017



30.0839, 0.4780, 0.4594



30.0839, 0.1533, 0.3017

Complementary

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



30.0839, 0.2976, 0.2017



60.0990, 0.3180, 0.4809

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.



30.0839, 0.2076, 0.4265



30.0839, 0.2976, 0.2017



30.0839, 0.3943, 0.5217

Square

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



30.0839, 0.2976, 0.2017



30.0839, 0.5225, 0.3846



30.0839, 0.2963, 0.5220



30.0839, 0.1381, 0.2180

Rectangle

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



30.0839, 0.2976, 0.2017



30.0839, 0.4766, 0.2914



30.0839, 0.2963, 0.5220



30.0839, 0.1668, 0.3407

Sweetspot

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



30.0852, 0.2976, 0.2017



76.6411, 0.3095, 0.2912



26.3931, 0.2235, 0.2026



15.7824, 0.3089, 0.2857



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.



30.0852, 0.2976, 0.2017



32.9389, 0.2928, 0.1778



31.5993, 0.3537, 0.2409



13.7989, 0.3108, 0.3057



8.9666, 0.2740, 0.1283



0.6555, 0.2816, 0.1325

Inverse Universe

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



29.5427, 0.4258, 0.3049



32.3935, 0.4660, 0.3015



59.4422, 0.2881, 0.4394



13.7423, 0.3263, 0.3246



9.3342, 0.6099, 0.3134



0.6593, 0.5684, 0.2905

Previews

White Background



This preview shows how the Yxy color 30.0839, 0.2976, 0.2017 looks on a white background.

Color Contrast Check

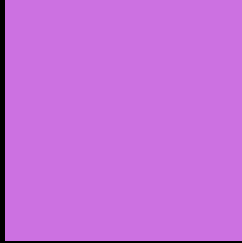
Large Text (above 18pt) WCAG AA × Fail

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 30.0839, 0.2976, 0.2017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

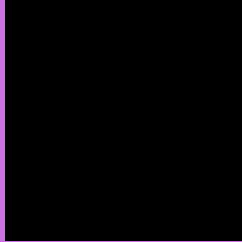
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0839, 0.2976, 0.2017

Background



This preview shows how black text looks on a background with the Yxy color 30.0839, 0.2976, 0.2017.



This preview shows how white text looks on a background with the Yxy color 30.0839, 0.2976, 0.2017.

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

30.0839, 0.2976, 0.2017

Protanopia

30.5971, 0.2081, 0.1886

Deuteranopia

30.3067, 0.2359, 0.2296



Tritanopia

30.0957, 0.3705, 0.3156

Trichromacy



Original Color

30.0839, 0.2976, 0.2017



Protanomaly

29.0967, 0.2319, 0.1900



Deuteranomaly

29.1277, 0.2539, 0.2145



Tritanomaly

29.8092, 0.3422, 0.2683

Monochromacy



Original Color

30.0839, 0.2976, 0.2017



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.2023, 0.3081, 0.2718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0839, 0.2976, 0.2017 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(204, 113, 225)` looks like.

```
.text, #text, p{  
    color:rgb(204, 113, 225)  
}
```

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(204, 113, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 113, 225) }
```

Border

The CSS property to change the border of an element to Yxy 30.0839, 0.2976, 0.2017 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(204, 113, 225) }
```

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

```
.border{ border-color:rgb(204, 113, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 113, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 113, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 113, 225);  
box-shadow:4px 4px 4px 4px rgb(204, 113,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0839, 0.2976, 0.2017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 113, 225) }
```

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

```
.background{ background-color: rgb(204,  
113, 225) }
```

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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