

Converting Colors

$Y_{xy}(29.6671, 0.2906, 0.2038)$

Have a look what the booklet for
Yxy(29.6671, 0.2906, 0.2038)
contains.

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Color

Yxy(29.6524, 0.2906, 0.2043)

Conversions

Conversions Part 1

Format	Color
Hex	C375DF
RGB	195, 117, 223
RGB Percent	76%, 46%, 87%
CMY	0.2354, 0.5411, 0.1255
CMYK	0.13, 0.48, 0.00, 0.13
HSL	284°, 62%, 67%
HSV	284°, 48%, 87%
XYZ	42.1781, 29.6524, 73.3110
YIQ	152.4060, 12.4620, 49.5020

Conversions

Conversions Part 2

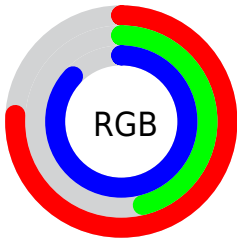
Format	Color
R_{YB}	195, 117, 223
Decimal	12809695
CIE _{Lab}	61.35, 47.96, -41.93
CIE _{LCh}	61, 63.700, 318.839
Yxy	29.6524, 0.2906, 0.2043
Android (android.graphics.Color)	4290999775 (0xFFC375DF)
YUV	152.4060, 34.8028, 37.3549
Hunter-Lab	54.4540, 42.9651, -41.7038

Details

The Yxy color **29.6524, 0.2906, 0.2043** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **60.0853, 0.3235, 0.4708**, and the grayscale version is **31.4282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2285, 0.3150, 0.2465**, and **12.0596, 0.2810, 0.1737** is the 20% darker color. If you saturate the color by 10%, you get **24.2898, 0.2840, 0.1797**, and if you desaturate by 10%, it is **36.2862, 0.2966, 0.2307**.

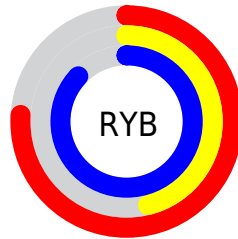
Distribution



Red (76%)

Green (46%)

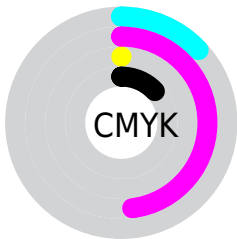
Blue (87%)



Red (76%)

Yellow (46%)

Blue (87%)

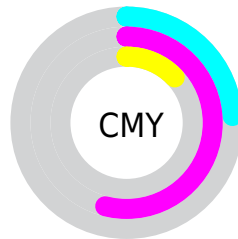


Cyan (13%)

Magenta (48%)

Yellow (0%)

Black (13%)



Cyan (24%)


Magenta (54%)


Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6524, 0.2906, 0.2043 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 29.6524, 0.2906, 0.2043 by changing the saturation by 10% instead.


 29.6524, 0.2906,
0.2043


 29.6524, 0.2906,
0.2043


300.2808, 0.3043,
0.2639


 19.5749, 0.2865,
0.1905


 59.1120, 0.2961,
0.2252

 12.0864, 0.2808,
0.1736


 79.2630, 0.2981,
0.2333

 6.8026, 0.2727,
0.1523


 103.5405, 0.2996,
0.2402

 3.3389, 0.2605,
0.1253

132.3290, 0.3009,
0.2462

 1.3111, 0.2409,
0.0910

166.0129, 0.3020,
0.2515

 0.1498, 0.2130,
0.0227

204.9766, 0.3029,

 0.0000, 0.1053,

0.2561

0.0000

249.6044, 0.3036,
0.2603

0.0000, 0.0000,
0.0000

29.6524, 0.2906,
0.2043

29.6524, 0.2906,
0.2043

24.2898, 0.2840,
0.1797

36.2862, 0.2966,
0.2307

20.1049, 0.2770,
0.1581

44.2684, 0.3019,
0.2578

16.9976, 0.2698,
0.1404

53.6741, 0.3064,
0.2846

14.8485, 0.2627,
0.1274

64.5720, 0.3103,
0.3105

13.4964, 0.2557,
0.1190

77.0262, 0.3134,
0.3349

■ 13.2199, 0.2540,
0.1173

■ 91.0969, 0.3160,
0.3576

■ 94.7253, 0.3195,
0.3613

■ 95.7535, 0.3233,
0.3610

■ 96.8154, 0.3271,
0.3606

Harmonies

Analogous

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



29.6524, 0.2079, 0.1828



29.6524, 0.2906, 0.2043



29.6524, 0.3968, 0.2493

Triad

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



29.6524, 0.2906, 0.2043



29.6524, 0.4767, 0.4498



29.6524, 0.1634, 0.3128

Complementary

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



29.6524, 0.2906, 0.2043



60.0853, 0.3235, 0.4708

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.



29.6524, 0.2194, 0.4303



29.6524, 0.2906, 0.2043



29.6524, 0.3997, 0.5091

Square

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



29.6524, 0.2906, 0.2043



29.6524, 0.5133, 0.3785



29.6524, 0.3063, 0.5135



29.6524, 0.1453, 0.2288

Rectangle

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



29.6524, 0.2906, 0.2043



29.6524, 0.4611, 0.2888



29.6524, 0.3063, 0.5135



29.6524, 0.1778, 0.3504

Sweetspot

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



29.6536, 0.2906, 0.2043



77.5521, 0.3078, 0.2936



29.4501, 0.2298, 0.2195



15.9379, 0.3069, 0.2879



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.



29.6536, 0.2906, 0.2043



32.9783, 0.2841, 0.1799



32.5067, 0.3434, 0.2374



13.7437, 0.3096, 0.3056



7.8309, 0.2550, 0.1179



0.5856, 0.2656, 0.1237

Inverse Universe

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



30.4632, 0.4075, 0.2962



34.4780, 0.4396, 0.2908



58.5040, 0.2927, 0.4437



13.7598, 0.3251, 0.3228



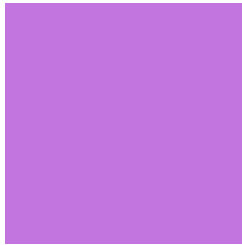
9.4259, 0.5875, 0.3010



0.6680, 0.5433, 0.2767

Previews

White Background



This preview shows how the Yxy color 29.6524, 0.2906, 0.2043 looks on a white background.

Color Contrast Check

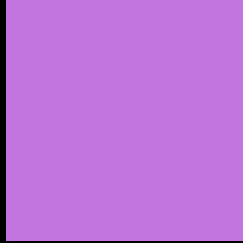
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6524, 0.2906, 0.2043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

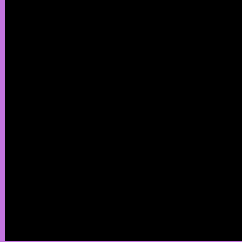
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6524, 0.2906, 0.2043

Background



This preview shows how black text looks on a background with the Yxy color 29.6524, 0.2906, 0.2043.

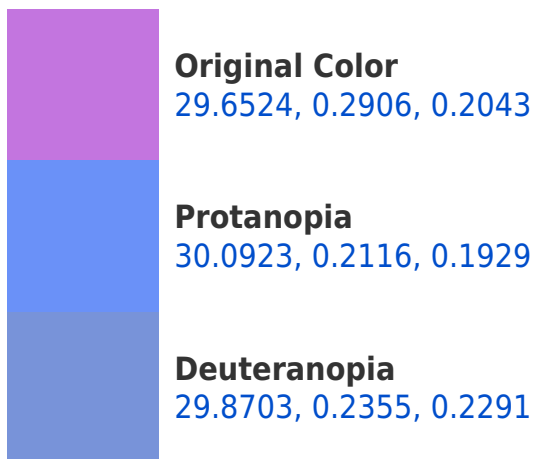


This preview shows how white text looks on a background with the Yxy color 29.6524, 0.2906, 0.2043.

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





Tritanopia

29.5936, 0.3563, 0.3137

Trichromacy



Original Color

29.6524, 0.2906, 0.2043



Protanomaly

28.9632, 0.2329, 0.1942



Deuteranomaly

28.9258, 0.2521, 0.2169



Tritanomaly

29.1857, 0.3310, 0.2676

Monochromacy



Original Color

29.6524, 0.2906, 0.2043



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

30.0044, 0.3050, 0.2738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6524, 0.2906, 0.2043 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(195, 117, 223)` looks like.

```
.text, #text, p{  
    color:rgb(195, 117, 223)  
}
```

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(195, 117, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 117, 223) }
```

Border

The CSS property to change the border of an element to Yxy 29.6524, 0.2906, 0.2043 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(195, 117, 223) }
```

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

```
.border{ border-color:rgb(195, 117, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 117, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 117, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 117, 223);  
box-shadow:4px 4px 4px 4px rgb(195, 117,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6524, 0.2906, 0.2043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 117, 223) }
```

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

```
.background{ background-color: rgb(195,  
117, 223) }
```

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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