

Converting Colors

$Y_{xy}(27.4813, 0.3007, 0.2072)$

Have a look what the booklet for
Yxy(27.4813, 0.3007, 0.2072)
contains.

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Color

Yxy(27.5074, 0.3006, 0.2069)

Conversions

Conversions Part 1

Format	Color
Hex	C36ED4
RGB	195, 110, 212
RGB Percent	76%, 43%, 83%
CMY	0.2353, 0.5686, 0.1687
CMYK	0.08, 0.48, 0.00, 0.17
HSL	290°, 54%, 63%
HSV	290°, 48%, 83%
XYZ	39.9648, 27.5074, 65.4780
YIQ	147.0430, 17.9180, 49.7420

Conversions

Conversions Part 2

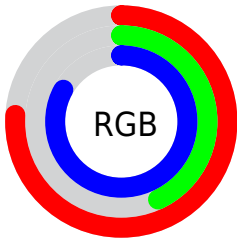
Format	Color
R _Y B	195, 110, 212
Decimal	12807892
CIE Lab	59.44, 49.41, -38.74
CIE LCh	59, 62.786, 321.898
Yxy	27.5074, 0.3006, 0.2069
Android (android.graphics.Color)	4290997972 (0xFFC36ED4)
YUV	147.0430, 32.0238, 42.0583
Hunter-Lab	52.4475, 44.2333, -37.3072

Details

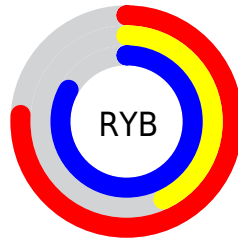
The Yxy color $27.5074, 0.3006, 0.2069$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $52.7139, 0.3165, 0.4754$, and the grayscale version is $29.0568, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.6536, 0.3153, 0.2399$, and $10.9494, 0.2931, 0.1759$ is the 20% darker color. If you saturate the color by 10%, you get $23.0039, 0.2968, 0.1843$, and if you desaturate by 10%, it is $33.1184, 0.3040, 0.2317$.

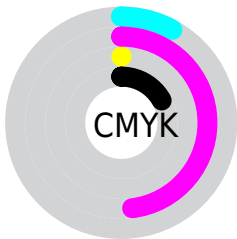
Distribution



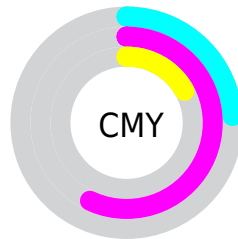
- Red (76%)
- Green (43%)
- Blue (83%)



- Red (76%)
- Yellow (43%)
- Blue (83%)



- Cyan (8%)
- Magenta (48%)
- Yellow (0%)
- Black (17%)




- Cyan (24%)
- Magenta (57%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5074, 0.3006, 0.2069 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 27.5074, 0.3006, 0.2069 by changing the saturation by 10% instead.


 27.5074, 0.3006,
0.2069


 27.5074, 0.3006,
0.2069


290.1055, 0.3093,
0.2661


 17.9547, 0.2977,
0.1930


 55.6970, 0.3043,
0.2278

 10.9174, 0.2934,
0.1757


 75.1027, 0.3056,
0.2359

 6.0113, 0.2871,
0.1538


 98.5614, 0.3065,
0.2428

 2.8520, 0.2770,
0.1257

 126.4577, 0.3073,
0.2487

 1.0550, 0.2596,
0.0895

159.1758, 0.3079,
0.2539

 0.0000, 0.2378,
0.0000

197.1003, 0.3085,

 0.0000, 0.0590,

0.2585


0.0000


240.6154, 0.3089,
0.2625


 0.0000, 0.0000,
0.0000


 27.5074, 0.3006,
0.2069


 27.5074, 0.3006,
0.2069


 23.0039, 0.2968,
0.1843


 33.1184, 0.3040,
0.2317


 19.5249, 0.2927,
0.1649


 39.9048, 0.3069,
0.2576


 16.9816, 0.2884,
0.1495

 47.9334, 0.3094,
0.2837

 15.2682, 0.2840,
0.1387


 57.2647, 0.3114,
0.3091

 14.2302, 0.2796,
0.1320

 67.9554, 0.3130,
0.3335

 14.0646, 0.2788,
0.1309

 80.0587, 0.3142,
0.3564

 91.4423, 0.3154,
0.3742

 91.9977, 0.3176,
0.3739

 92.5647, 0.3198,
0.3736

Harmonies

Analogous

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



27.5074, 0.2138, 0.1826



27.5074, 0.3006, 0.2069



27.5074, 0.4084, 0.2543

Triad

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



27.5074, 0.3006, 0.2069



27.5074, 0.4714, 0.4576



27.5074, 0.1586, 0.3017

Complementary

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



27.5074, 0.3006, 0.2069



52.7139, 0.3165, 0.4754

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.



27.5074, 0.2109, 0.4194



27.5074, 0.3006, 0.2069



27.5074, 0.3910, 0.5147

Square

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



27.5074, 0.3006, 0.2069



27.5074, 0.5140, 0.3858



27.5074, 0.2963, 0.5111



27.5074, 0.1440, 0.2217

Rectangle

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



27.5074, 0.3006, 0.2069



27.5074, 0.4709, 0.2948



27.5074, 0.2963, 0.5111



27.5074, 0.1716, 0.3385

Sweetspot

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



27.5086, 0.3006, 0.2069



78.1902, 0.3102, 0.2939



23.2466, 0.2261, 0.2029



16.0945, 0.3098, 0.2882



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.



27.5086, 0.3006, 0.2069



34.6430, 0.2966, 0.1832



28.3609, 0.3558, 0.2476



12.5233, 0.3111, 0.3058



8.7221, 0.2794, 0.1313



0.5545, 0.2870, 0.1355

Inverse Universe

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



26.6787, 0.4224, 0.3083



33.4544, 0.4621, 0.3052



52.4066, 0.2868, 0.4293



12.4542, 0.3265, 0.3251



8.7270, 0.6147, 0.3160



0.5370, 0.5700, 0.2914

Previews

White Background



This preview shows how the Yxy color 27.5074, 0.3006, 0.2069 looks on a white background.

Color Contrast Check

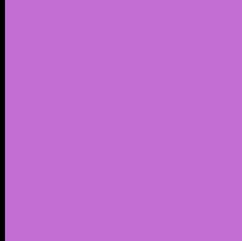
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5074, 0.3006, 0.2069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

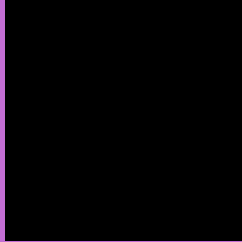
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5074, 0.3006, 0.2069

Background



This preview shows how black text looks on a background with the Yxy color 27.5074, 0.3006, 0.2069.

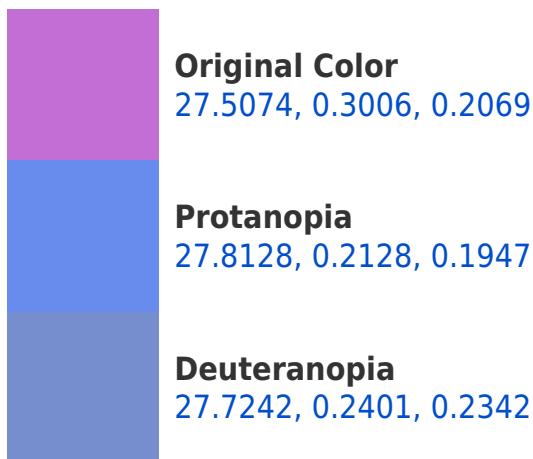


This preview shows how white text looks on a background with the Yxy color 27.5074, 0.3006, 0.2069.

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

27.5588, 0.3702, 0.3164

Trichromacy



Original Color

27.5074, 0.3006, 0.2069



Protanomaly

26.5919, 0.2358, 0.1951



Deuteranomaly

26.7224, 0.2589, 0.2203



Tritanomaly

27.1739, 0.3444, 0.2711

Monochromacy



Original Color

27.5074, 0.3006, 0.2069



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.8830, 0.3077, 0.2752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5074, 0.3006, 0.2069 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, 110, 212)` looks like.

```
.text, #text, p{  
    color:rgb(195, 110, 212)  
}
```

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, 110, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 110, 212) }
```

Border

The CSS property to change the border of an element to Yxy 27.5074, 0.3006, 0.2069 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, 110, 212) }
```

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

```
.border{ border-color:rgb(195, 110, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 110, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 110, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 110, 212);  
box-shadow:4px 4px 4px 4px rgb(195, 110,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5074, 0.3006, 0.2069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 110, 212) }
```

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

```
.background{ background-color: rgb(195,  
110, 212) }
```

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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