

Converting Colors

$Y_{xy}(27.9606, 0.3074, 0.2218)$

Have a look what the booklet for
Yxy(27.9606, 0.3074, 0.2218)
contains.

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Color

Yxy(27.9615, 0.3071, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	C074CA
RGB	192, 116, 202
RGB Percent	75%, 45%, 79%
CMY	0.2470, 0.5451, 0.2079
CMYK	0.05, 0.43, 0.00, 0.21
HSL	293°, 45%, 62%
HSV	293°, 43%, 79%
XYZ	38.6453, 27.9615, 59.2326
YIQ	148.5280, 17.6900, 42.8580

Conversions

Conversions Part 2

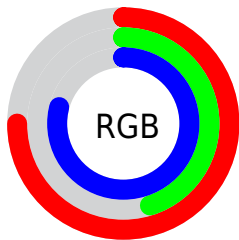
Format	Color
R_{YB}	192, 116, 202
Decimal	12612810
CIE _{Lab}	59.85, 43.46, -32.48
CIE _{LCh}	60, 54.257, 323.223
Yxy	27.9615, 0.3071, 0.2222
Android (android.graphics.Color)	4290802890 (0xFFC074CA)
YUV	148.5280, 26.3617, 38.1249
Hunter-Lab	52.8786, 37.9154, -29.3993

Details

The Yxy color $27.9615, 0.3071, 0.2222$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $47.9330, 0.3135, 0.4572$, and the grayscale version is $29.7292, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.2934, 0.3126, 0.2449$, and $11.2371, 0.3024, 0.1936$ is the 20% darker color. If you saturate the color by 10%, you get $23.4976, 0.3049, 0.1992$, and if you desaturate by 10%, it is $33.4450, 0.3089, 0.2470$.

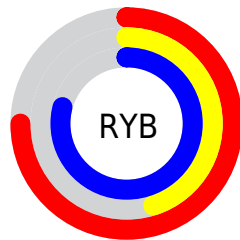
Distribution



Red (75%)

Green (45%)

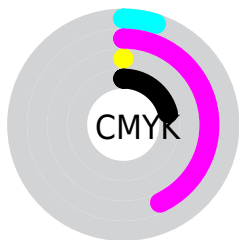
Blue (79%)



Red (75%)

Yellow (45%)

Blue (79%)

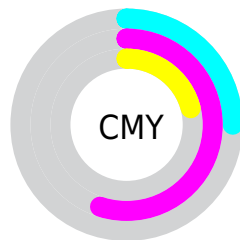


Cyan (5%)

Magenta (43%)

Yellow (0%)

Black (21%)



Cyan (25%)


Magenta (55%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9615, 0.3071, 0.2222 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 27.9615, 0.3071, 0.2222 by changing the saturation by 10% instead.


 27.9615, 0.3071,
0.2222


 27.9615, 0.3071,
0.2222


292.2829, 0.3118,
0.2749


 18.2966, 0.3053,
0.2095


 56.4230, 0.3093,
0.2411

 11.1632, 0.3026,
0.1935


 75.9884, 0.3100,
0.2482

 6.1767, 0.2983,
0.1729


 99.6227, 0.3105,
0.2543

 2.9528, 0.2912,
0.1457

127.7105, 0.3109,
0.2596

 1.1071, 0.2781,
0.1090

160.6360, 0.3112,
0.2641

 0.0000, 0.2672,
0.0000

198.7836, 0.3115,

 0.0000, 0.0000,

0.2682

0.0000

242.5378, 0.3117,
0.2717

■ 27.9615, 0.3071,
0.2222

■ 27.9615, 0.3071,
0.2222

■ 23.4976, 0.3049,
0.1992

■ 33.4450, 0.3089,
0.2470

■ 19.9835, 0.3024,
0.1789

■ 40.0050, 0.3105,
0.2726

■ 17.3461, 0.2997,
0.1622


■ 47.6981, 0.3116,
0.2981

■ 15.5001, 0.2968,
0.1498

■ 56.5763, 0.3125,
0.3228

■ 14.3434, 0.2939,
0.1418

■ 66.6880, 0.3132,
0.3463

 13.7935, 0.2916,
0.1380

 78.0793, 0.3136,
0.3683

 89.2554, 0.3140,
0.3862

 89.5987, 0.3154,
0.3860

 89.9471, 0.3169,
0.3857

Harmonies

Analogous

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



27.9615, 0.2290, 0.1992



27.9615, 0.3071, 0.2222



27.9615, 0.3996, 0.2660

Triad

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



27.9615, 0.3071, 0.2222



27.9615, 0.4520, 0.4487



27.9615, 0.1756, 0.3036

Complementary

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



27.9615, 0.3071, 0.2222



47.9330, 0.3135, 0.4572

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.



27.9615, 0.2224, 0.4015



27.9615, 0.3071, 0.2222



27.9615, 0.3815, 0.4917

Square

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



27.9615, 0.3071, 0.2222



27.9615, 0.4882, 0.3866



27.9615, 0.2976, 0.4803



27.9615, 0.1626, 0.2342

Rectangle

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



27.9615, 0.3071, 0.2222



27.9615, 0.4518, 0.3033



27.9615, 0.2976, 0.4803



27.9615, 0.1874, 0.3345

Sweetspot

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



27.9627, 0.3071, 0.2222



79.9203, 0.3116, 0.2966



22.9071, 0.2363, 0.2137



16.4515, 0.3113, 0.2909



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.



27.9627, 0.3071, 0.2222



40.3829, 0.3051, 0.2011



27.9122, 0.3542, 0.2618



11.3351, 0.3120, 0.3060



8.9018, 0.2920, 0.1382



0.4784, 0.2980, 0.1415

Inverse Universe

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



26.5524, 0.4093, 0.3162



37.8094, 0.4426, 0.3140



48.1196, 0.2865, 0.4085



11.2345, 0.3272, 0.3263



8.1278, 0.6246, 0.3215



0.4266, 0.5843, 0.2993

Previews

White Background



This preview shows how the Yxy color 27.9615, 0.3071, 0.2222 looks on a white background.

Color Contrast Check

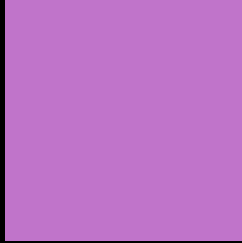
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9615, 0.3071, 0.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

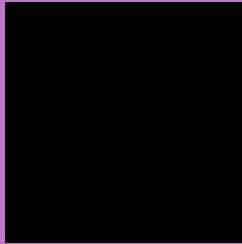
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9615, 0.3071, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 27.9615, 0.3071, 0.2222.



This preview shows how white text looks on a background with the Yxy color 27.9615, 0.3071, 0.2222.

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

27.9615, 0.3071, 0.2222

Protanopia

28.3186, 0.2276, 0.2144

Deuteranopia

28.3433, 0.2538, 0.2485



Tritanopia

28.0491, 0.3648, 0.3150

Trichromacy



Original Color

27.9615, 0.3071, 0.2222



Protanomaly

27.5210, 0.2510, 0.2160



Deuteranomaly

27.5740, 0.2707, 0.2359



Tritanomaly

27.8764, 0.3426, 0.2773

Monochromacy



Original Color

27.9615, 0.3071, 0.2222



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.7178, 0.3116, 0.2838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9615, 0.3071, 0.2222 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(192, 116, 202)` looks like.

```
.text, #text, p{  
    color:rgb(192, 116, 202)  
}
```

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(192, 116, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 116, 202) }
```

Border

The CSS property to change the border of an element to Yxy 27.9615, 0.3071, 0.2222 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(192, 116, 202) }
```

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

```
.border{ border-color:rgb(192, 116, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 116, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 116, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 116, 202);  
box-shadow:4px 4px 4px 4px rgb(192, 116,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9615, 0.3071, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 116, 202) }
```

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

```
.background{ background-color: rgb(192,  
116, 202) }
```

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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