

Converting Colors

$Y_{xy}(27.4704, 0.3164, 0.2231)$

Have a look what the booklet for
Yxy(27.4704, 0.3164, 0.2231)
contains.

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Color

Yxy(27.5359, 0.3166, 0.2234)

Conversions

Conversions Part 1

Format	Color
Hex	C570C6
RGB	197, 112, 198
RGB Percent	77%, 44%, 78%
CMY	0.2273, 0.5609, 0.2234
CMYK	0.00, 0.43, 0.00, 0.22
HSL	299°, 43%, 61%
HSV	299°, 43%, 78%
XYZ	39.0236, 27.5359, 56.6988
YIQ	147.2190, 23.0540, 44.7660

Conversions

Conversions Part 2

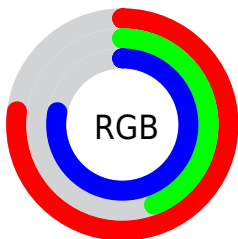
Format	Color
R _Y B	197, 112, 198
Decimal	12939462
CIE Lab	59.47, 46.33, -30.79
CIE LCh	59, 55.628, 326.395
Yxy	27.5359, 0.3166, 0.2234
Android (android.graphics.Color)	4291129542 (0xFFC570C6)
YUV	147.2190, 25.0350, 43.6579
Hunter-Lab	52.4747, 40.9136, -27.3305

Details

The Yxy color $27.5359, 0.3166, 0.2234$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $45.0765, 0.3071, 0.4626$, and the grayscale version is $29.1598, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.7524, 0.3168, 0.2422$, and $10.9081, 0.3143, 0.1944$ is the 20% darker color. If you saturate the color by 10%, you get $23.6081, 0.3173, 0.2023$, and if you desaturate by 10%, it is $32.4270, 0.3158, 0.2467$.

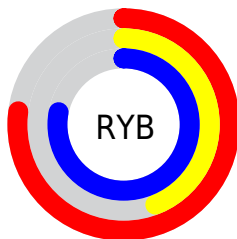
Distribution



Red (77%)

Green (44%)

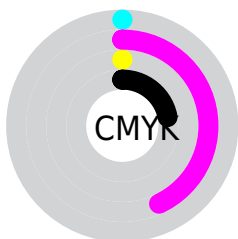
Blue (78%)



Red (77%)

Yellow (44%)

Blue (78%)

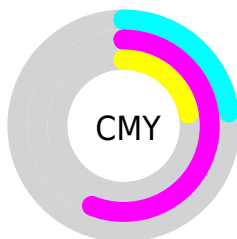


Cyan (0%)

Magenta (43%)

Yellow (0%)

Black (22%)



Cyan (23%)


Magenta (56%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5359, 0.3166, 0.2234 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 27.5359, 0.3166, 0.2234 by changing the saturation by 10% instead.


 27.5359, 0.3166,
0.2234


 27.5359, 0.3166,
0.2234


290.2426, 0.3164,
0.2756


 17.9761, 0.3161,
0.2108


 55.7426, 0.3169,
0.2421


 10.9328, 0.3151,
0.1948


 75.1583, 0.3169,
0.2492

 6.0217, 0.3131,
0.1743


 98.6282, 0.3169,
0.2553

 2.8583, 0.3091,
0.1470

 126.5365, 0.3168,
0.2605

 1.0582, 0.3006,
0.1100

159.2677, 0.3167,
0.2650

 0.0000, 0.2982,
0.0000

197.2062, 0.3166,


 0.0000, 0.0251,


0.2689

0.0000


240.7363, 0.3165,
0.2725

 0.0000, 0.0000,
0.0000


 27.5359, 0.3166,
0.2234


 27.5359, 0.3166,
0.2234


 23.6081, 0.3173,
0.2023


 32.4270, 0.3158,
0.2467


 20.5762, 0.3178,
0.1844


 38.3356, 0.3149,
0.2712

 18.3701, 0.3181,
0.1703

 45.3163, 0.3140,
0.2962


 16.9076, 0.3182,
0.1604

 53.4187, 0.3130,
0.3207

 16.0895, 0.3182,
0.1547

 62.6893, 0.3121,
0.3443

 15.7828, 0.3181,
0.1526

 73.1720, 0.3112,
0.3666

 84.9084, 0.3103,
0.3874

 87.7200, 0.3103,
0.3918

 87.7508, 0.3104,
0.3918

Harmonies

Analogous

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



27.5359, 0.2338, 0.1975



27.5359, 0.3166, 0.2234



27.5359, 0.4117, 0.2700

Triad

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



27.5359, 0.3166, 0.2234



27.5359, 0.4488, 0.4573



27.5359, 0.1691, 0.2931

Complementary

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



27.5359, 0.3166, 0.2234



45.0765, 0.3071, 0.4626

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.



27.5359, 0.2130, 0.3929



27.5359, 0.3166, 0.2234



27.5359, 0.3738, 0.4986

Square

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



27.5359, 0.3166, 0.2234



27.5359, 0.4913, 0.3941



27.5359, 0.2877, 0.4799



27.5359, 0.1596, 0.2262

Rectangle

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



27.5359, 0.3166, 0.2234



27.5359, 0.4628, 0.3087



27.5359, 0.2877, 0.4799



27.5359, 0.1798, 0.3239

Sweetspot

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



27.5371, 0.3166, 0.2234



80.5713, 0.3140, 0.2968



19.4229, 0.2324, 0.1977



16.6142, 0.3142, 0.2912



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.



27.5371, 0.3166, 0.2234



42.2118, 0.3172, 0.2037



26.0067, 0.3661, 0.2711



10.8102, 0.3136, 0.3062



10.2638, 0.3181, 0.1526



0.4880, 0.3187, 0.1529

Inverse Universe

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



24.7830, 0.4244, 0.3280



36.7305, 0.4632, 0.3279



46.1611, 0.2807, 0.3966



10.6389, 0.3288, 0.3288



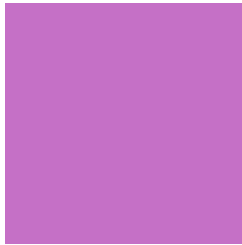
7.8117, 0.6387, 0.3292



0.3706, 0.6337, 0.3264

Previews

White Background



This preview shows how the Yxy color 27.5359, 0.3166, 0.2234 looks on a white background.

Color Contrast Check

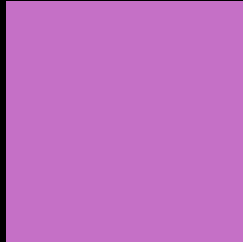
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5359, 0.3166, 0.2234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

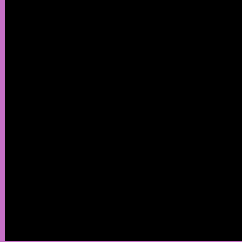
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5359, 0.3166, 0.2234

Background



This preview shows how black text looks on a background with the Yxy color 27.5359, 0.3166, 0.2234.



This preview shows how white text looks on a background with the Yxy color 27.5359, 0.3166, 0.2234.

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

27.5359, 0.3166, 0.2234

Protanopia

27.9685, 0.2279, 0.2140

Deuteranopia

27.6458, 0.2571, 0.2507



Tritanopia

27.4898, 0.3781, 0.3167

Trichromacy



Original Color

27.5359, 0.3166, 0.2234



Protanomaly

26.7891, 0.2535, 0.2145



Deuteranomaly

26.7754, 0.2755, 0.2368



Tritanomaly

27.3498, 0.3550, 0.2794

Monochromacy



Original Color

27.5359, 0.3166, 0.2234



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.8027, 0.3138, 0.2821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5359, 0.3166, 0.2234 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(197, 112, 198)` looks like.

```
.text, #text, p{  
    color:rgb(197, 112, 198)  
}
```

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(197, 112, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 112, 198) }
```

Border

The CSS property to change the border of an element to Yxy 27.5359, 0.3166, 0.2234 is called "border". The border property can be set on classes, ids or directly on the HTML element.

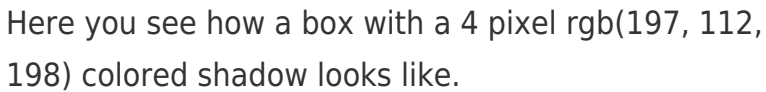
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 112, 198) }
```

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

```
.border{ border-color:rgb(197, 112, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 112, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 112, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 112, 198); box-shadow:4px 4px 4px 4px rgb(197, 112, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5359, 0.3166, 0.2234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 112, 198) }
```

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

```
.background{ background-color: rgb(197,  
112, 198) }
```

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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