

Converting Colors

$Y_{xy}(30.2612, 0.3177, 0.2224)$

Have a look what the booklet for
Yxy(30.2612, 0.3177, 0.2224)
contains.

Yxy(30.2612, 0.3177, 0.2224)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.2612, 0.3177, 0.2224)

Conversions

Conversions Part 1

Format	Color
Hex	CF74CF
RGB	207, 116, 207
RGB Percent	81%, 45%, 81%
CMY	0.1884, 0.5449, 0.1883
CMYK	0.00, 0.44, 0.00, 0.19
HSL	300°, 49%, 63%
HSV	300°, 44%, 81%
XYZ	43.2283, 30.2612, 62.5770
YIQ	153.5830, 25.0250, 47.5930

Conversions

Conversions Part 2

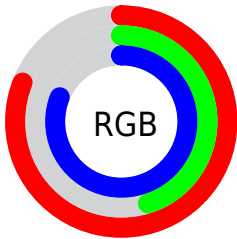
Format	Color
R _Y B	207, 116, 207
Decimal	13595855
CIE Lab	61.88, 48.83, -32.01
CIE LCh	62, 58.386, 326.754
Yxy	30.2612, 0.3177, 0.2224
Android (android.graphics.Color)	4291785935 (0xFFCF74CF)
YUV	153.5830, 26.3346, 46.8467
Hunter-Lab	55.0102, 44.0018, -28.9384

Details

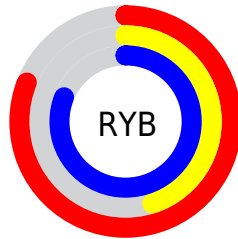
The Yxy color **30.2612, 0.3177, 0.2224** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **49.5916, 0.3063, 0.4650**, and the grayscale version is **31.9999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2295, 0.3166, 0.2460**, and **12.4013, 0.3175, 0.1949** is the 20% darker color. If you saturate the color by 10%, you get **26.0084, 0.3187, 0.2016**, and if you desaturate by 10%, it is **35.5797, 0.3166, 0.2455**.

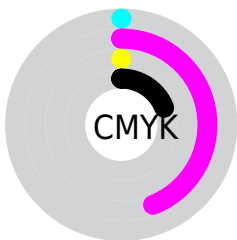
Distribution



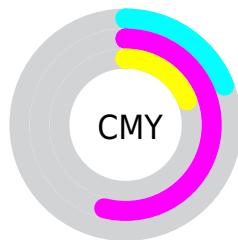
- Red (81%)
- Green (45%)
- Blue (81%)



- Red (81%)
- Yellow (45%)
- Blue (81%)



- Cyan (0%)
- Magenta (44%)
- Yellow (0%)
- Black (19%)




- Cyan (19%)
- Magenta (54%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2612, 0.3177, 0.2224 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 30.2612, 0.3177, 0.2224 by changing the saturation by 10% instead.


 30.2612, 0.3177,
0.2224


 30.2612, 0.3177,
0.2224


303.1201, 0.3170,
0.2741


 20.0369, 0.3173,
0.2101


 60.0750, 0.3178,
0.2408

 12.4219, 0.3165,
0.1948


 80.4333, 0.3178,
0.2478

 7.0317, 0.3149,
0.1752


 104.9385, 0.3177,
0.2538

 3.4819, 0.3116,
0.1496

133.9748, 0.3175,
0.2590

 1.3882, 0.3047,
0.1152

167.9267, 0.3174,
0.2635

 0.2080, 0.2974,
0.0408

207.1787, 0.3172,

 0.0000, 0.2074,

0.2675

0.0000

252.1150, 0.3171,
0.2710

0.0000, 0.0000,
0.0000

30.2612, 0.3177,
0.2224

30.2612, 0.3177,
0.2224

26.0084, 0.3187,
0.2016

35.5797, 0.3166,
0.2455

22.7458, 0.3195,
0.1841

42.0247, 0.3155,
0.2700

20.3947, 0.3201,
0.1705


49.6572, 0.3143,
0.2949

18.8624, 0.3206,
0.1611


58.5327, 0.3132,
0.3195

18.0368, 0.3208,
0.1559

68.7031, 0.3120,
0.3433

 17.7600, 0.3209,
0.1541

 80.2174, 0.3110,
0.3657

 89.2868, 0.3103,
0.3808

 89.2873, 0.3103,
0.3808

 89.2878, 0.3103,
0.3808

Harmonies

Analogous

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



30.2612, 0.2334, 0.1959



30.2612, 0.3177, 0.2224



30.2612, 0.4144, 0.2697

Triad

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



30.2612, 0.3177, 0.2224



30.2612, 0.4498, 0.4595



30.2612, 0.1668, 0.2912

Complementary

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



30.2612, 0.3177, 0.2224



49.5916, 0.3063, 0.4650

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.



30.2612, 0.2106, 0.3927



30.2612, 0.3177, 0.2224



30.2612, 0.3733, 0.5016

Square

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



30.2612, 0.3177, 0.2224



30.2612, 0.4938, 0.3953



30.2612, 0.2860, 0.4821



30.2612, 0.1576, 0.2240

Rectangle

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



30.2612, 0.3177, 0.2224



30.2612, 0.4661, 0.3089



30.2612, 0.2860, 0.4821



30.2612, 0.1774, 0.3224

Sweetspot

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



30.2625, 0.3177, 0.2224



80.6418, 0.3142, 0.2968



21.0713, 0.2311, 0.1956



16.6319, 0.3145, 0.2913



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.



30.2625, 0.3177, 0.2224



41.8723, 0.3186, 0.2022



28.4063, 0.3671, 0.2703



12.0090, 0.3138, 0.3061



11.1928, 0.3209, 0.1541



0.6259, 0.3209, 0.1541

Inverse Universe

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



27.0234, 0.4281, 0.3293



36.0099, 0.4695, 0.3294



50.8664, 0.2803, 0.3977



11.8083, 0.3291, 0.3290



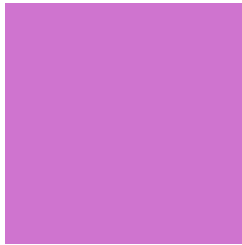
8.3579, 0.6401, 0.3300



0.4673, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 30.2612, 0.3177, 0.2224 looks on a white background.

Color Contrast Check

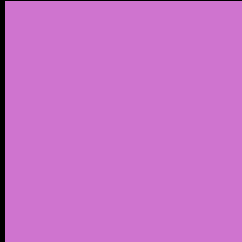
Large Text (above 18pt) WCAG AA × Fail

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 30.2612, 0.3177, 0.2224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

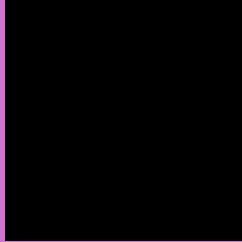
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2612, 0.3177, 0.2224

Background



This preview shows how black text looks on a background with the Yxy color 30.2612, 0.3177, 0.2224.



This preview shows how white text looks on a background with the Yxy color 30.2612, 0.3177, 0.2224.

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

30.2612, 0.3177, 0.2224

Protanopia

30.6156, 0.2268, 0.2130

Deuteranopia

30.6311, 0.2576, 0.2522



Tritanopia

30.2978, 0.3804, 0.3159

Trichromacy



Original Color

30.2612, 0.3177, 0.2224



Protanomaly

29.5153, 0.2527, 0.2138



Deuteranomaly

29.6015, 0.2770, 0.2378



Tritanomaly

30.1949, 0.3569, 0.2791

Monochromacy



Original Color

30.2612, 0.3177, 0.2224



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

30.6575, 0.3149, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2612, 0.3177, 0.2224 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(207, 116, 207)` looks like.

```
.text, #text, p{  
    color:rgb(207, 116, 207)  
}
```

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(207, 116, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 116, 207) }
```

Border

The CSS property to change the border of an element to Yxy 30.2612, 0.3177, 0.2224 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(207, 116, 207) }
```

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

```
.border{ border-color:rgb(207, 116, 207) }
```

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

Here you see how a box with a 4 pixel rgb(207, 116, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 116, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 116, 207);  
box-shadow:4px 4px 4px 4px rgb(207, 116,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2612, 0.3177, 0.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 116, 207) }
```

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

```
.background{ background-color: rgb(207,  
116, 207) }
```

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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