

Converting Colors

$Y_{xy}(30.5645, 0.3806, 0.2817)$

Have a look what the booklet for
Yxy(30.5645, 0.3806, 0.2817)
contains.

Yxy(30.5351, 0.3811, 0.2818)	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(30.5351, 0.3811, 0.2818)

Conversions

Conversions Part 1

Format	Color
Hex	D8789F
RGB	216, 120, 159
RGB Percent	85%, 47%, 62%
CMY	0.1529, 0.5294, 0.3764
CMYK	0.00, 0.44, 0.26, 0.15
HSL	336°, 55%, 66%
HSV	336°, 44%, 85%
XYZ	41.2950, 30.5351, 36.5273
YIQ	153.1500, 44.6970, 32.4810

Conversions

Conversions Part 2

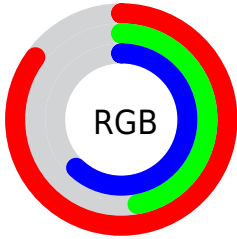
Format	Color
R _{YB}	216, 120, 159
Decimal	14186655
CIE Lab	62.11, 42.00, -4.29
CIE LCh	62, 42.219, 354.167
Yxy	30.5351, 0.3811, 0.2818
Android (android.graphics.Color)	4292376735 (0xFFD8789F)
YUV	153.1500, 2.8840, 55.1194
Hunter-Lab	55.2586, 36.6914, -0.5111

Details

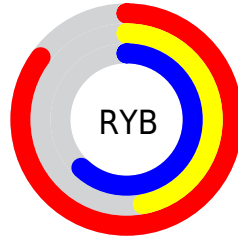
The Yxy color **30.5351, 0.3811, 0.2818** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **56.2793, 0.2740, 0.3833**, and the grayscale version is **31.8978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3871, 0.3499, 0.2880**, and **12.5879, 0.4035, 0.2663** is the 20% darker color. If you saturate the color by 10%, you get **25.4915, 0.4051, 0.2723**, and if you desaturate by 10%, it is **36.7996, 0.3605, 0.2925**.

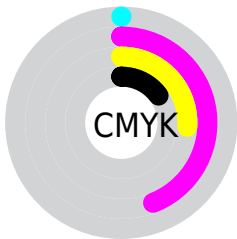
Distribution



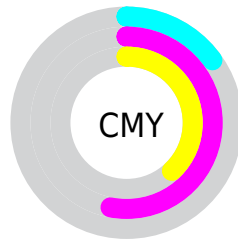
- Red (85%)
- Green (47%)
- Blue (62%)



- Red (85%)
- Yellow (47%)
- Blue (62%)



- Cyan (0%)
- Magenta (44%)
- Yellow (26%)
- Black (15%)





- Cyan (15%)
- Magenta (53%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5351, 0.3811, 0.2818 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 30.5351, 0.3811, 0.2818 by changing the saturation by 10% instead.


 30.5351, 0.3811,
0.2818


 30.5351, 0.3811,
0.2818


304.3908, 0.3449,
0.3064

 20.2451, 0.3908,
0.2753


 60.5074, 0.3674,
0.2910

 12.5733, 0.4037,
0.2668


 80.9585, 0.3625,
0.2944

 7.1354, 0.4217,
0.2551


 105.5653, 0.3583,
0.2972

 3.5469, 0.4482,
0.2382

134.7124, 0.3548,
0.2996

 1.4235, 0.4912,
0.2116

168.7841, 0.3518,
0.3017

 0.2339, 0.6254,
0.1111


208.1648, 0.3492,


 0.0000, 1.0000,


0.3035


0.0000


253.2389, 0.3469,
0.3050


 0.0000, 0.0000,
0.0000


 30.5351, 0.3811,
0.2818

 30.5351, 0.3811,
0.2818


 25.4915, 0.4051,
0.2723


 36.7996, 0.3605,
0.2925

 21.5832, 0.4325,
0.2650


 44.3541, 0.3433,
0.3035


 18.7204, 0.4622,
0.2613


 53.2680, 0.3290,
0.3143

 16.7977, 0.4928,
0.2622

 63.6044, 0.3172,
0.3246


 15.6868, 0.5222,
0.2685

 75.4221, 0.3076,
0.3343

 15.3003, 0.5377,
0.2736

 88.7770, 0.2997,
0.3432

 92.9441, 0.2927,
0.3353

 93.3391, 0.2894,
0.3289

Harmonies

Analogous

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



30.5351, 0.3118, 0.2453



30.5351, 0.3811, 0.2818



30.5351, 0.4332, 0.3293

Triad

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



30.5351, 0.3811, 0.2818



30.5351, 0.3676, 0.4529



30.5351, 0.1937, 0.2561

Complementary

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



30.5351, 0.3811, 0.2818



56.2793, 0.2740, 0.3833

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.



30.5351, 0.2047, 0.3101



30.5351, 0.3811, 0.2818



30.5351, 0.3020, 0.4383

Square

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



30.5351, 0.3811, 0.2818



30.5351, 0.4215, 0.4270



30.5351, 0.2427, 0.3809



30.5351, 0.2092, 0.2287

Rectangle

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



30.5351, 0.3811, 0.2818



30.5351, 0.4474, 0.3636



30.5351, 0.2427, 0.3809



30.5351, 0.1944, 0.2713

Sweetspot

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



30.5366, 0.3811, 0.2818



79.4398, 0.3273, 0.3157



27.6218, 0.2783, 0.2077



16.3336, 0.3302, 0.3133



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.



30.5366, 0.3811, 0.2818



37.7434, 0.4027, 0.2731



31.3942, 0.4259, 0.3391



12.5036, 0.3228, 0.3196



9.0763, 0.5338, 0.2714



0.5636, 0.4885, 0.2465

Inverse Universe

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



30.5366, 0.3811, 0.2818



37.7434, 0.4027, 0.2731



54.0636, 0.2513, 0.3182



12.5036, 0.3228, 0.3196



9.0763, 0.5338, 0.2714



0.5636, 0.4885, 0.2465

Previews

White Background



This preview shows how the Yxy color 30.5351, 0.3811, 0.2818 looks on a white background.

Color Contrast Check

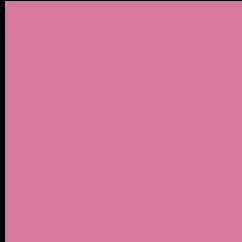
Large Text (above 18pt) WCAG AA × Fail

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 30.5351, 0.3811, 0.2818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

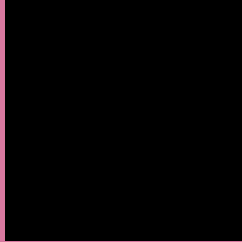
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5351, 0.3811, 0.2818

Background



This preview shows how black text looks on a background with the Yxy color 30.5351, 0.3811, 0.2818.



This preview shows how white text looks on a background with the Yxy color 30.5351, 0.3811, 0.2818.

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

30.5351, 0.3811, 0.2818

Protanopia

30.6890, 0.2838, 0.2869

Deuteranopia

30.7109, 0.3217, 0.3156



Tritanopia

30.6846, 0.4082, 0.3181

Trichromacy



Original Color

30.5351, 0.3811, 0.2818

Protanomaly

29.7372, 0.3159, 0.2835

Deuteranomaly

30.2367, 0.3425, 0.3025

Tritanomaly

30.5962, 0.3989, 0.3046

Monochromacy



Original Color

30.5351, 0.3811, 0.2818

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.6464, 0.3363, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5351, 0.3811, 0.2818 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(216, 120, 159)` looks like.

```
.text, #text, p{  
    color:rgb(216, 120, 159)  
}
```

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(216, 120, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 120, 159) }
```

Border

The CSS property to change the border of an element to Yxy 30.5351, 0.3811, 0.2818 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(216, 120, 159) }
```

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

```
.border{ border-color:rgb(216, 120, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 120, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 120, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 120, 159); box-shadow:4px 4px 4px 4px rgb(216, 120, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5351, 0.3811, 0.2818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 120, 159) }
```

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

```
.background{ background-color: rgb(216,  
120, 159) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor