

Converting Colors

$Y_{xy}(30.8809, 0.3817, 0.2812)$

Have a look what the booklet for
Yxy(30.8809, 0.3817, 0.2812)
contains.

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Color

Yxy(30.8764, 0.3821, 0.2811)

Conversions

Conversions Part 1

Format	Color
Hex	DA78A0
RGB	218, 120, 160
RGB Percent	85%, 47%, 63%
CMY	0.1452, 0.5293, 0.3726
CMYK	0.00, 0.45, 0.27, 0.15
HSL	336°, 57%, 66%
HSV	336°, 45%, 85%
XYZ	41.9704, 30.8764, 36.9946
YIQ	153.8620, 45.5680, 33.2160

Conversions

Conversions Part 2

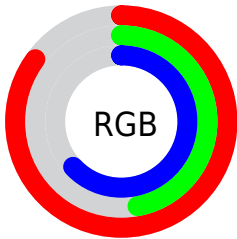
Format	Color
R _Y B	218, 120, 160
Decimal	14317728
CIE Lab	62.40, 42.80, -4.38
CIE LCh	62, 43.027, 354.157
Yxy	30.8764, 0.3821, 0.2811
Android (android.graphics.Color)	4292507808 (0xFFDA78A0)
YUV	153.8620, 3.0260, 56.2490
Hunter-Lab	55.5665, 37.5827, -0.5770

Details

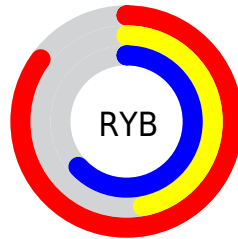
The Yxy color **30.8764, 0.3821, 0.2811** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **57.3457, 0.2737, 0.3842**, and the grayscale version is **32.2240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4384, 0.3491, 0.2870**, and **12.8154, 0.4046, 0.2656** is the 20% darker color. If you saturate the color by 10%, you get **25.7886, 0.4063, 0.2716**, and if you desaturate by 10%, it is **37.2075, 0.3614, 0.2918**.

Distribution



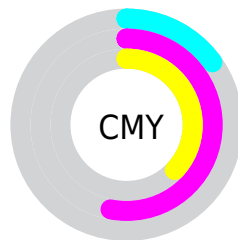
- Red (85%)
- Green (47%)
- Blue (63%)



- Red (85%)
- Yellow (47%)
- Blue (63%)



- Cyan (0%)
- Magenta (45%)
- Yellow (27%)
- Black (15%)



- Cyan (15%)
- Magenta (53%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8764, 0.3821, 0.2811 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 30.8764, 0.3821, 0.2811 by changing the saturation by 10% instead.


 30.8764, 0.3821,
0.2811


 30.8764, 0.3821,
0.2811

305.9685, 0.3454,
0.3060

 20.5047, 0.3919,
0.2746

 61.0454, 0.3683,
0.2904

 12.7625, 0.4049,
0.2660


 81.6116, 0.3633,
0.2938

 7.2652, 0.4230,
0.2542


 106.3447, 0.3590,
0.2967

 3.6285, 0.4496,
0.2373

135.6292, 0.3555,
0.2991

 1.4680, 0.4925,
0.2108

169.8494, 0.3524,
0.3012

 0.2660, 0.6164,
0.1184

209.3898, 0.3498,

 0.0000, 1.0000,


0.3030


0.0000


254.6347, 0.3475,
0.3046

 0.0000, 0.0000,
0.0000


 30.8764, 0.3821,
0.2811

 30.8764, 0.3821,
0.2811

 25.7886, 0.4063,
0.2716


 37.2075, 0.3614,
0.2918


 21.8562, 0.4337,
0.2645


 44.8531, 0.3440,
0.3028


 18.9867, 0.4634,
0.2609

 53.8843, 0.3296,
0.3137

 17.0714, 0.4940,
0.2621

 64.3658, 0.3178,
0.3241

 15.9775, 0.5232,
0.2687

 76.3580, 0.3080,
0.3338

 15.6232, 0.5372,
0.2733

 89.9182, 0.3001,
0.3429

 93.3462, 0.2931,
0.3337

 93.6434, 0.2906,
0.3289

Harmonies

Analogous

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



30.8764, 0.3117, 0.2442



30.8764, 0.3821, 0.2811



30.8764, 0.4350, 0.3292

Triad

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



30.8764, 0.3821, 0.2811



30.8764, 0.3682, 0.4549



30.8764, 0.1921, 0.2550

Complementary

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



30.8764, 0.3821, 0.2811



57.3457, 0.2737, 0.3842

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.



30.8764, 0.2033, 0.3098



30.8764, 0.3821, 0.2811



30.8764, 0.3017, 0.4402

Square

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



30.8764, 0.3821, 0.2811



30.8764, 0.4230, 0.4282



30.8764, 0.2417, 0.3818



30.8764, 0.2078, 0.2273

Rectangle

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



30.8764, 0.3821, 0.2811



30.8764, 0.4495, 0.3638



30.8764, 0.2417, 0.3818



30.8764, 0.1928, 0.2704

Sweetspot

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



30.8779, 0.3821, 0.2811



79.4425, 0.3273, 0.3156



27.8652, 0.2778, 0.2062



16.3343, 0.3301, 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.



30.8779, 0.3821, 0.2811



37.0878, 0.4051, 0.2720



31.7457, 0.4279, 0.3392



13.1391, 0.3228, 0.3195



9.3813, 0.5335, 0.2712



0.6246, 0.4908, 0.2478

Inverse Universe

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



30.8779, 0.3821, 0.2811



37.0878, 0.4051, 0.2720



55.0612, 0.2507, 0.3180



13.1391, 0.3228, 0.3195



9.3813, 0.5335, 0.2712



0.6246, 0.4908, 0.2478

Previews

White Background



This preview shows how the Yxy color 30.8764, 0.3821, 0.2811 looks on a white background.

Color Contrast Check

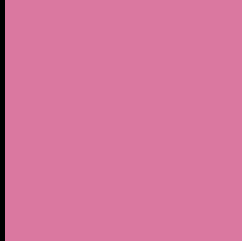
Large Text (above 18pt) WCAG AA × Fail

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 30.8764, 0.3821, 0.2811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

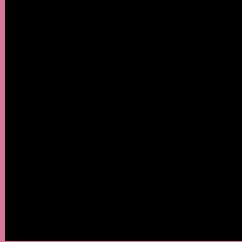
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8764, 0.3821, 0.2811

Background



This preview shows how black text looks on a background with the Yxy color 30.8764, 0.3821, 0.2811.



This preview shows how white text looks on a background with the Yxy color 30.8764, 0.3821, 0.2811.

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

30.8764, 0.3821, 0.2811

Protanopia

31.1784, 0.2832, 0.2857

Deuteranopia

31.1265, 0.3226, 0.3172



Tritanopia

30.8355, 0.4092, 0.3182

Trichromacy



Original Color

30.8764, 0.3821, 0.2811

Protanomaly

30.2145, 0.3149, 0.2824

Deuteranomaly

30.5160, 0.3436, 0.3013

Tritanomaly

30.7480, 0.4000, 0.3047

Monochromacy



Original Color

30.8764, 0.3821, 0.2811

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.0934, 0.3361, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8764, 0.3821, 0.2811 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(218, 120, 160)` looks like.

```
.text, #text, p{  
    color:rgb(218, 120, 160)  
}
```

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(218, 120, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 120, 160) }
```

Border

The CSS property to change the border of an element to Yxy 30.8764, 0.3821, 0.2811 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(218, 120, 160) }
```

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

```
.border{ border-color:rgb(218, 120, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 120, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 120, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 120, 160);  
box-shadow:4px 4px 4px 4px rgb(218, 120,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8764, 0.3821, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 120, 160) }
```

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

```
.background{ background-color: rgb(218,  
120, 160) }
```

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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