

Converting Colors

$Y_{xy}(31.2810, 0.3377, 0.2400)$

Have a look what the booklet for
Yxy(31.2810, 0.3377, 0.2400)
contains.

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Color

Yxy(31.3848, 0.3384, 0.2410)

Conversions

Conversions Part 1

Format	Color
Hex	D677C2
RGB	214, 119, 194
RGB Percent	84%, 47%, 76%
CMY	0.1607, 0.5333, 0.2392
CMYK	0.00, 0.44, 0.09, 0.16
HSL	313°, 54%, 65%
HSV	313°, 44%, 84%
XYZ	44.0689, 31.3848, 54.7736
YIQ	155.9550, 32.5450, 43.4650

Conversions

Conversions Part 2

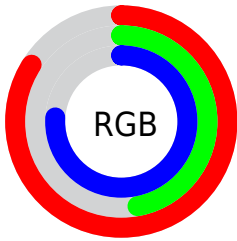
Format	Color
R _Y B	214, 119, 194
Decimal	14055362
CIE Lab	62.83, 47.20, -23.15
CIE LCh	63, 52.572, 333.878
Yxy	31.3848, 0.3384, 0.2410
Android (android.graphics.Color)	4292245442 (0xFFD677C2)
YUV	155.9550, 18.7562, 50.9055
Hunter-Lab	56.0221, 42.3755, -18.7532

Details

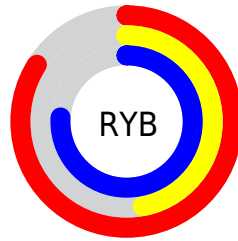
The Yxy color **31.3848, 0.3384, 0.2410** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **53.8869, 0.2950, 0.4377**, and the grayscale version is **33.1291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1122, 0.3195, 0.2523**, and **12.9580, 0.3444, 0.2168** is the 20% darker color. If you saturate the color by 10%, you get **26.6537, 0.3461, 0.2233**, and if you desaturate by 10%, it is **37.2718, 0.3313, 0.2604**.

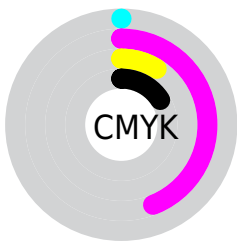
Distribution



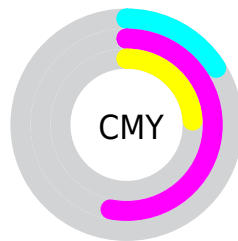
- Red (84%)
- Green (47%)
- Blue (76%)



- Red (84%)
- Yellow (47%)
- Blue (76%)



- Cyan (0%)
- Magenta (44%)
- Yellow (9%)
- Black (16%)





- Cyan (16%)
- Magenta (53%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3848, 0.3384, 0.2410 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 31.3848, 0.3384, 0.2410 by changing the saturation by 10% instead.


 31.3848, 0.3384,
0.2410


 31.3848, 0.3384,
0.2410


308.3072, 0.3263,
0.2843

 20.8920, 0.3412,
0.2305


 61.8454, 0.3342,
0.2565

 13.0451, 0.3446,
0.2172


 82.5820, 0.3325,
0.2624

 7.4596, 0.3488,
0.2000


 107.5021, 0.3311,
0.2674

 3.7512, 0.3541,
0.1768

136.9899, 0.3299,
0.2717

 1.5354, 0.3606,
0.1444

171.4299, 0.3288,
0.2755

 0.3134, 0.3773,
0.0735

211.2066, 0.3279,


 0.0000, 0.3454,


0.2788


0.0000


256.7042, 0.3270,
0.2817


 0.0000, 0.0000,
0.0000


 31.3848, 0.3384,
0.2410


 31.3848, 0.3384,
0.2410

 26.6537, 0.3461,
0.2233


 37.2718, 0.3313,
0.2604

 22.9961, 0.3542,
0.2084


 44.3810, 0.3250,
0.2806


 20.3258, 0.3626,
0.1972


 52.7790, 0.3195,
0.3009


 18.5412, 0.3709,
0.1904

 62.5262, 0.3146,
0.3206


 17.5189, 0.3789,
0.1883


 73.6791, 0.3105,
0.3394

 17.1605, 0.3833,
0.1885

 86.2913, 0.3070,
0.3571

 91.2851, 0.3042,
0.3599

 91.5352, 0.3017,
0.3551

 91.7919, 0.2993,
0.3502

Harmonies

Analogous

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



31.3848, 0.2576, 0.2115



31.3848, 0.3384, 0.2410



31.3848, 0.4216, 0.2884

Triad

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



31.3848, 0.3384, 0.2410



31.3848, 0.4238, 0.4602



31.3848, 0.1755, 0.2789

Complementary

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



31.3848, 0.3384, 0.2410



53.8869, 0.2950, 0.4377

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.



31.3848, 0.2089, 0.3635



31.3848, 0.3384, 0.2410



31.3848, 0.3510, 0.4841

Square

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



31.3848, 0.3384, 0.2410



31.3848, 0.4706, 0.4063



31.3848, 0.2723, 0.4487



31.3848, 0.1735, 0.2256

Rectangle

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



31.3848, 0.3384, 0.2410



31.3848, 0.4609, 0.3261



31.3848, 0.2723, 0.4487



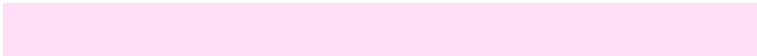
31.3848, 0.1830, 0.3043

Sweetspot

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



31.3862, 0.3384, 0.2410



80.2013, 0.3188, 0.3034



23.4519, 0.2449, 0.1966



16.5219, 0.3200, 0.2989



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.



31.3862, 0.3384, 0.2410



40.1771, 0.3454, 0.2248



29.6136, 0.3937, 0.2941



12.5858, 0.3170, 0.3108



10.3865, 0.3822, 0.1879



0.6379, 0.3696, 0.1810

Inverse Universe

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



31.3862, 0.3384, 0.2410



40.1771, 0.3454, 0.2248



55.5468, 0.2684, 0.3684



12.5858, 0.3170, 0.3108



10.3865, 0.3822, 0.1879



0.6379, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 31.3848, 0.3384, 0.2410 looks on a white background.

Color Contrast Check

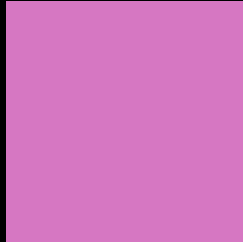
Large Text (above 18pt) WCAG AA × Fail

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 31.3848, 0.3384, 0.2410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

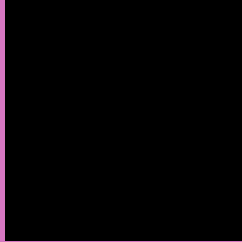
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3848, 0.3384, 0.2410

Background



This preview shows how black text looks on a background with the Yxy color 31.3848, 0.3384, 0.2410.



This preview shows how white text looks on a background with the Yxy color 31.3848, 0.3384, 0.2410.

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

31.3848, 0.3384, 0.2410

Protanopia

31.6477, 0.2439, 0.2354

Deuteranopia

31.5586, 0.2777, 0.2711



Tritanopia

31.2686, 0.3920, 0.3165

Trichromacy



Original Color

31.3848, 0.3384, 0.2410



Protanomaly

30.6458, 0.2717, 0.2349



Deuteranomaly

30.8228, 0.2980, 0.2571



Tritanomaly

31.1614, 0.3716, 0.2867

Monochromacy



Original Color

31.3848, 0.3384, 0.2410



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.8943, 0.3217, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3848, 0.3384, 0.2410 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(214, 119, 194)` looks like.

```
.text, #text, p{  
    color:rgb(214, 119, 194)  
}
```

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(214, 119, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 119, 194) }
```

Border

The CSS property to change the border of an element to Yxy 31.3848, 0.3384, 0.2410 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(214, 119, 194) }
```

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

```
.border{ border-color:rgb(214, 119, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 119, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 119, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 119, 194);  
box-shadow:4px 4px 4px 4px rgb(214, 119,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3848, 0.3384, 0.2410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 119, 194) }
```

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

```
.background{ background-color: rgb(214,  
119, 194) }
```

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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