

Converting Colors

$Y_{xy}(33.3297, 0.3484, 0.2406)$

Have a look what the booklet for
Yxy(33.3297, 0.3484, 0.2406)
contains.

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Color

Yxy(33.3190, 0.3489, 0.2410)

Conversions

Conversions Part 1

Format	Color
Hex	E376C5
RGB	227, 118, 197
RGB Percent	89%, 46%, 77%
CMY	0.1097, 0.5373, 0.2275
CMYK	0.00, 0.48, 0.13, 0.11
HSL	317°, 66%, 68%
HSV	317°, 48%, 89%
XYZ	48.2365, 33.3190, 56.6976
YIQ	159.5970, 39.6050, 47.6770

Conversions

Conversions Part 2

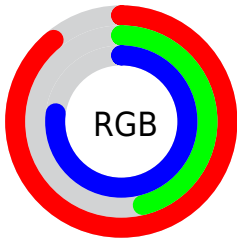
Format	Color
R _Y B	227, 118, 197
Decimal	14907077
CIE Lab	64.42, 52.19, -22.25
CIE LCh	64, 56.739, 336.911
Yxy	33.3190, 0.3489, 0.2410
Android (android.graphics.Color)	4293097157 (0xFFE376C5)
YUV	159.5970, 18.4397, 59.1124
Hunter-Lab	57.7226, 48.1508, -17.8313

Details

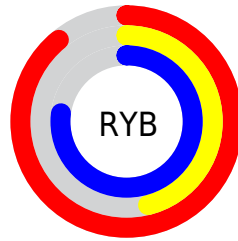
The Yxy color **33.3190, 0.3489, 0.2410** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **60.9382, 0.2901, 0.4387**, and the grayscale version is **34.8594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3029, 0.3172, 0.2497**, and **14.0850, 0.3577, 0.2176** is the 20% darker color. If you saturate the color by 10%, you get **28.3212, 0.3594, 0.2253**, and if you desaturate by 10%, it is **39.6183, 0.3394, 0.2587**.

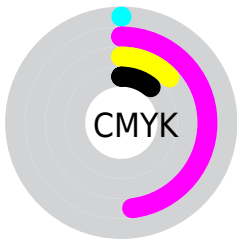
Distribution



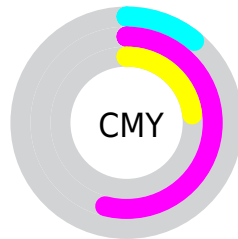
- Red (89%)
- Green (46%)
- Blue (77%)



- Red (89%)
- Yellow (46%)
- Blue (77%)



- Cyan (0%)
- Magenta (48%)
- Yellow (13%)
- Black (11%)





- Cyan (11%)
- Magenta (54%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3190, 0.3489, 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 33.3190, 0.3489, 0.2410 by changing the saturation by 10% instead.

 33.3190, 0.3489,
0.2410


 33.3190, 0.3489,
0.2410


317.0847, 0.3315,
0.2838


 22.3709, 0.3530,
0.2307


 64.8732, 0.3427,
0.2563

 14.1297, 0.3582,
0.2178


 86.2482, 0.3404,
0.2621

 8.2109, 0.3648,
0.2012


 111.8676, 0.3383,
0.2670

 4.2302, 0.3734,
0.1790

142.1158, 0.3366,
0.2713

 1.8032, 0.3852,
0.1483

177.3772, 0.3351,
0.2751

 0.4891, 0.4056,
0.0947

218.0363, 0.3337,

 0.0000, 0.4376,

0.2783

0.0000

264.4773, 0.3325,
0.2812

0.0000, 0.0000,
0.0000

33.3190, 0.3489,
0.2410

33.3190, 0.3489,
0.2410

28.3212, 0.3594,
0.2253

39.6183, 0.3394,
0.2587

24.5261, 0.3705,
0.2126

47.2990, 0.3309,
0.2774

21.8286, 0.3820,
0.2040


56.4402, 0.3235,
0.2963


20.1031, 0.3935,
0.2002


67.1135, 0.3171,
0.3147

19.1732, 0.4047,
0.2011


79.3859, 0.3117,
0.3324

 19.0306, 0.4069,
0.2015

 93.3203, 0.3072,
0.3491

 94.1905, 0.3036,
0.3434

 94.5703, 0.3002,
0.3370

 94.9631, 0.2967,
0.3307

Harmonies

Analogous

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



33.3190, 0.2621, 0.2081



33.3190, 0.3489, 0.2410



33.3190, 0.4355, 0.2916

Triad

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



33.3190, 0.3489, 0.2410



33.3190, 0.4217, 0.4710



33.3190, 0.1673, 0.2682

Complementary

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



33.3190, 0.3489, 0.2410



60.9382, 0.2901, 0.4387

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.



33.3190, 0.1983, 0.3551



33.3190, 0.3489, 0.2410



33.3190, 0.3435, 0.4930

Square

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



33.3190, 0.3489, 0.2410



33.3190, 0.4754, 0.4150



33.3190, 0.2616, 0.4491



33.3190, 0.1687, 0.2165

Rectangle

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



33.3190, 0.3489, 0.2410



33.3190, 0.4737, 0.3312



33.3190, 0.2616, 0.4491



33.3190, 0.1739, 0.2937

Sweetspot

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



33.3206, 0.3489, 0.2410



78.6822, 0.3209, 0.3036



24.7134, 0.2438, 0.1860



16.2160, 0.3223, 0.2996



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.



33.3206, 0.3489, 0.2410



36.6638, 0.3597, 0.2248



31.2869, 0.4135, 0.2998



14.5439, 0.3180, 0.3121



11.1176, 0.4053, 0.2006



0.8370, 0.3901, 0.1923

Inverse Universe

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



33.3206, 0.3489, 0.2410



36.6638, 0.3597, 0.2248



63.0432, 0.2618, 0.3624



14.5439, 0.3180, 0.3121



11.1176, 0.4053, 0.2006



0.8370, 0.3901, 0.1923

Previews

White Background



This preview shows how the Yxy color 33.3190, 0.3489, 0.2410 looks on a white background.

Color Contrast Check

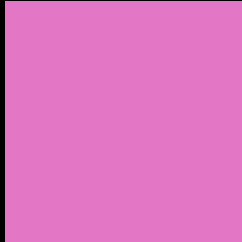
Large Text (above 18pt) WCAG AA × Fail

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 33.3190, 0.3489, 0.2410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

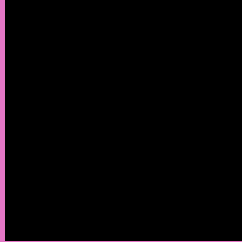
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3190, 0.3489, 0.2410

Background



This preview shows how black text looks on a background with the Yxy color 33.3190, 0.3489, 0.2410.



This preview shows how white text looks on a background with the Yxy color 33.3190, 0.3489, 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

33.3190, 0.3489, 0.2410

Protanopia

33.5614, 0.2427, 0.2338

Deuteranopia

33.5126, 0.2818, 0.2752



Tritanopia

33.2309, 0.4061, 0.3172

Trichromacy



Original Color

33.3190, 0.3489, 0.2410



Protanomaly

32.2296, 0.2742, 0.2337



Deuteranomaly

32.4302, 0.3040, 0.2590



Tritanomaly

33.1829, 0.3845, 0.2878

Monochromacy



Original Color

33.3190, 0.3489, 0.2410



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.4583, 0.3258, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3190, 0.3489, 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(227, 118, 197)` looks like.

```
.text, #text, p{  
    color:rgb(227, 118, 197)  
}
```

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(227, 118, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 118, 197) }
```

Border

The CSS property to change the border of an element to Yxy 33.3190, 0.3489, 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(227, 118, 197) }
```

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

```
.border{ border-color:rgb(227, 118, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 118, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 118, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 118, 197);  
box-shadow:4px 4px 4px 4px rgb(227, 118,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3190, 0.3489, 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(227, 118, 197) }
```

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

```
.background{ background-color: rgb(227,  
118, 197) }
```

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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