

Converting Colors

$Y_{xy}(31.7126, 0.3872, 0.2760)$

Have a look what the booklet for
Yxy(31.7126, 0.3872, 0.2760)
contains.

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Color

Yxy(31.8060, 0.3865, 0.2759)

Conversions

Conversions Part 1

Format	Color
Hex	E276A4
RGB	226, 118, 164
RGB Percent	89%, 46%, 64%
CMY	0.1135, 0.5374, 0.3568
CMYK	0.00, 0.48, 0.27, 0.11
HSL	334°, 65%, 67%
HSV	334°, 48%, 89%
XYZ	44.5561, 31.8060, 38.9188
YIQ	155.5360, 49.6020, 37.2020

Conversions

Conversions Part 2

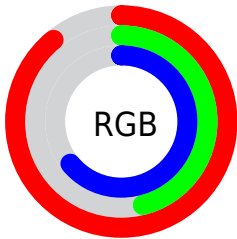
Format	Color
R _Y B	226, 118, 164
Decimal	14841508
CIE Lab	63.18, 47.11, -5.42
CIE LCh	63, 47.420, 353.441
Yxy	31.8060, 0.3865, 0.2759
Android (android.graphics.Color)	4293031588 (0xFFE276A4)
YUV	155.5360, 4.1728, 61.7969
Hunter-Lab	56.3968, 42.3288, -1.4376

Details

The Yxy color **31.8060, 0.3865, 0.2759** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **61.5655, 0.2729, 0.3914**, and the grayscale version is **32.9918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2616, 0.3458, 0.2821**, and **13.2753, 0.4108, 0.2602** is the 20% darker color. If you saturate the color by 10%, you get **26.6629, 0.4108, 0.2665**, and if you desaturate by 10%, it is **38.2755, 0.3655, 0.2868**.

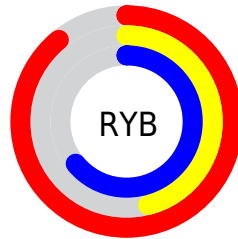
Distribution



Red (89%)

Green (46%)

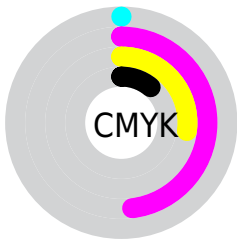
Blue (64%)



Red (89%)

Yellow (46%)

Blue (64%)

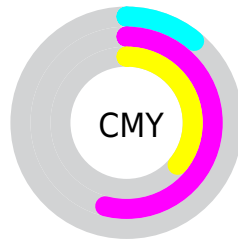


Cyan (0%)

Magenta (48%)

Yellow (27%)

Black (11%)



Cyan (11%)


Magenta (54%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8060, 0.3865, 0.2759 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 31.8060, 0.3865, 0.2759 by changing the saturation by 10% instead.


 31.8060, 0.3865,
0.2759


 31.8060, 0.3865,
0.2759


310.2346, 0.3478,
0.3033

 21.2134, 0.3968,
0.2688


 62.5068, 0.3720,
0.2860

 13.2801, 0.4103,
0.2596


 83.3838, 0.3667,
0.2898

 7.6217, 0.4289,
0.2471


 108.4577, 0.3622,
0.2929

 3.8538, 0.4560,
0.2293

138.1129, 0.3585,
0.2956

 1.5921, 0.4988,
0.2021

172.7338, 0.3552,
0.2979

 0.3523, 0.5987,
0.1269

212.7048, 0.3524,


 0.0000, 1.0000,

0.2999


0.0000


258.4102, 0.3500,
0.3017

 0.0000, 0.0000,
0.0000


 31.8060, 0.3865,
0.2759

 31.8060, 0.3865,
0.2759


 26.6629, 0.4108,
0.2665


 38.2755, 0.3655,
0.2868


 22.7474, 0.4380,
0.2599


 46.1515, 0.3477,
0.2983


 19.9544, 0.4672,
0.2573


 55.5132, 0.3329,
0.3098


 18.1587, 0.4966,
0.2597

 66.4327, 0.3207,
0.3208


 17.1878, 0.5243,
0.2675

 78.9771, 0.3107,
0.3312

 17.0271, 0.5302,
0.2695

 93.2099, 0.3024,
0.3409

 94.9066, 0.2953,
0.3291

 94.9170, 0.2952,
0.3289

Harmonies

Analogous

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



31.8060, 0.3094, 0.2370



31.8060, 0.3865, 0.2759



31.8060, 0.4453, 0.3269

Triad

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



31.8060, 0.3865, 0.2759



31.8060, 0.3735, 0.4660



31.8060, 0.1828, 0.2493

Complementary

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



31.8060, 0.3865, 0.2759



61.5655, 0.2729, 0.3914

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.



31.8060, 0.1951, 0.3089



31.8060, 0.3865, 0.2759



31.8060, 0.3016, 0.4526

Square

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



31.8060, 0.3865, 0.2759



31.8060, 0.4328, 0.4343



31.8060, 0.2366, 0.3886



31.8060, 0.1989, 0.2195

Rectangle

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



31.8060, 0.3865, 0.2759



31.8060, 0.4614, 0.3639



31.8060, 0.2366, 0.3886



31.8060, 0.1837, 0.2659

Sweetspot

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



31.8076, 0.3865, 0.2759



78.0495, 0.3281, 0.3139



28.0530, 0.2731, 0.1972



16.0617, 0.3309, 0.3115



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.



31.8076, 0.3865, 0.2759



35.2986, 0.4097, 0.2669



32.1959, 0.4406, 0.3377



13.7970, 0.3226, 0.3191



9.7317, 0.5263, 0.2673



0.6922, 0.4870, 0.2456

Inverse Universe

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



31.8076, 0.3865, 0.2759



35.2986, 0.4097, 0.2669



59.9257, 0.2479, 0.3196



13.7970, 0.3226, 0.3191



9.7317, 0.5263, 0.2673



0.6922, 0.4870, 0.2456

Previews

White Background



This preview shows how the Yxy color 31.8060, 0.3865, 0.2759 looks on a white background.

Color Contrast Check

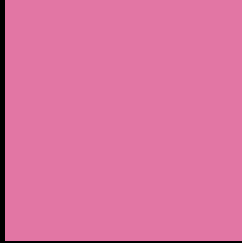
Large Text (above 18pt) WCAG AA × Fail

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 31.8060, 0.3865, 0.2759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

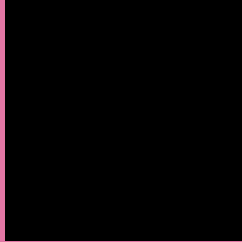
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8060, 0.3865, 0.2759

Background



This preview shows how black text looks on a background with the Yxy color 31.8060, 0.3865, 0.2759.



This preview shows how white text looks on a background with the Yxy color 31.8060, 0.3865, 0.2759.

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

31.8060, 0.3865, 0.2759

Protanopia

32.1126, 0.2777, 0.2792

Deuteranopia

32.1051, 0.3206, 0.3144



Tritanopia

31.7967, 0.4196, 0.3186

Trichromacy



Original Color

31.8060, 0.3865, 0.2759



Protanomaly

31.0845, 0.3121, 0.2764



Deuteranomaly

31.4415, 0.3434, 0.2978



Tritanomaly

31.7800, 0.4078, 0.3033

Monochromacy



Original Color

31.8060, 0.3865, 0.2759



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

31.6730, 0.3373, 0.3053

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8060, 0.3865, 0.2759 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(226, 118, 164)` looks like.

```
.text, #text, p{  
    color:rgb(226, 118, 164)  
}
```

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(226, 118, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 118, 164) }
```

Border

The CSS property to change the border of an element to Yxy 31.8060, 0.3865, 0.2759 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(226, 118, 164) }
```

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

```
.border{ border-color:rgb(226, 118, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 118, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 118, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 118, 164);  
box-shadow:4px 4px 4px 4px rgb(226, 118,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8060, 0.3865, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 118, 164) }
```

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

```
.background{ background-color: rgb(226,  
118, 164) }
```

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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