

Converting Colors

$Y_{xy}(31.3179, 0.4118, 0.2983)$

Have a look what the booklet for
Yxy(31.3179, 0.4118, 0.2983)
contains.

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Color

Yxy(31.3321, 0.4115, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	E37691
RGB	227, 118, 145
RGB Percent	89%, 46%, 57%
CMY	0.1098, 0.5372, 0.4315
CMYK	0.00, 0.48, 0.36, 0.11
HSL	345°, 66%, 68%
HSV	345°, 48%, 89%
XYZ	43.2656, 31.3321, 30.5435
YIQ	153.6690, 56.2970, 31.5050

Conversions

Conversions Part 2

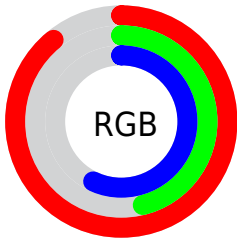
Format	Color
RYB	227, 118, 145
Decimal	14907025
CIELab	62.79, 45.03, 4.92
CIElCh	63, 45.294, 6.231
Yxy	31.3321, 0.4115, 0.2980
Android (android.graphics.Color)	4293097105 (0xFFE37691)
YUV	153.6690, -4.2738, 64.3113
Hunter-Lab	55.9751, 40.0142, 6.8302

Details

The Yxy color **31.3321, 0.4115, 0.2980** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **62.9616, 0.2626, 0.3644**, and the grayscale version is **32.1637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8886, 0.3636, 0.3011**, and **12.9316, 0.4438, 0.2855** is the 20% darker color. If you saturate the color by 10%, you get **26.1269, 0.4452, 0.2931**, and if you desaturate by 10%, it is **37.9060, 0.3827, 0.3042**.

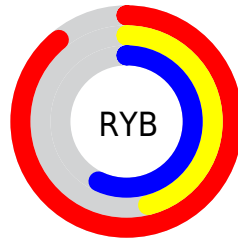
Distribution



Red (89%)

Green (46%)

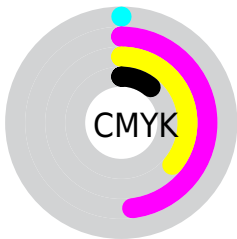
Blue (57%)



Red (89%)

Yellow (46%)

Blue (57%)

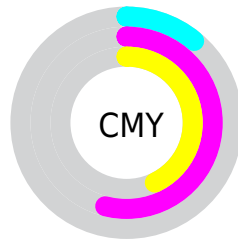


Cyan (0%)

Magenta (48%)

Yellow (36%)

Black (11%)



Cyan (11%)


Magenta (54%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3321, 0.4115, 0.2980 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 31.3321, 0.4115, 0.2980 by changing the saturation by 10% instead.


 31.3321, 0.4115,
0.2980


 31.3321, 0.4115,
0.2980


308.0654, 0.3587,
0.3152

 20.8519, 0.4258,
0.2931


 61.7626, 0.3915,
0.3047

 13.0158, 0.4448,
0.2865


 82.4816, 0.3842,
0.3070

 7.4394, 0.4712,
0.2770


 107.3823, 0.3782,
0.3090

 3.7384, 0.5102,
0.2625

136.8491, 0.3731,
0.3106

 1.5283, 0.5726,
0.2380

171.2664, 0.3687,
0.3120

 0.3085, 0.8314,
0.1686

211.0187, 0.3649,


 0.0000, 1.0000,


0.3132

0.0000

256.4902, 0.3616,
0.3143


 0.0000, 0.0000,
0.0000


 31.3321, 0.4115,
0.2980


 31.3321, 0.4115,
0.2980


 26.1269, 0.4452,
0.2931


 37.9060, 0.3827,
0.3042

 22.1882, 0.4829,
0.2904


 45.9317, 0.3588,
0.3109

 19.4074, 0.5224,
0.2911

 55.4911, 0.3392,
0.3177

 17.6549, 0.5599,
0.2959

 66.6587, 0.3233,
0.3241

 16.7501, 0.5913,
0.3045

 79.5042, 0.3104,
0.3302

 16.6177, 0.5969,
0.3062

 94.0930, 0.2999,
0.3357

 95.0706, 0.2958,
0.3290

Harmonies

Analogous

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



31.3321, 0.3415, 0.2543



31.3321, 0.4115, 0.2980



31.3321, 0.4523, 0.3503

Triad

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



31.3321, 0.4115, 0.2980



31.3321, 0.3426, 0.4612



31.3321, 0.1906, 0.2366

Complementary

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



31.3321, 0.4115, 0.2980



62.9616, 0.2626, 0.3644

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.



31.3321, 0.1906, 0.2822



31.3321, 0.4115, 0.2980



31.3321, 0.2738, 0.4256

Square

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



31.3321, 0.4115, 0.2980



31.3321, 0.4070, 0.4474



31.3321, 0.2191, 0.3531



31.3321, 0.2175, 0.2192

Rectangle

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



31.3321, 0.4115, 0.2980



31.3321, 0.4550, 0.3862



31.3321, 0.2191, 0.3531



31.3321, 0.1875, 0.2486

Sweetspot

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



31.3337, 0.4115, 0.2980



77.6884, 0.3325, 0.3202



30.7508, 0.2918, 0.2035



15.9744, 0.3361, 0.3188



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.



31.3337, 0.4115, 0.2980



33.8003, 0.4465, 0.2929



37.9687, 0.4289, 0.3610



14.4262, 0.3254, 0.3232



9.7073, 0.5932, 0.3042



0.7319, 0.5519, 0.2814

Inverse Universe

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



31.3337, 0.4115, 0.2980



33.8003, 0.4465, 0.2929



50.5920, 0.2427, 0.2929



14.4262, 0.3254, 0.3232



9.7073, 0.5932, 0.3042



0.7319, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 31.3321, 0.4115, 0.2980 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 31.3321, 0.4115, 0.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

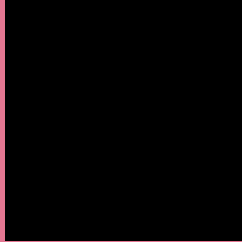
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3321, 0.4115, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 31.3321, 0.4115, 0.2980.



This preview shows how white text looks on a background with the Yxy color 31.3321, 0.4115, 0.2980.

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

31.3321, 0.4115, 0.2980

Protanopia

31.4890, 0.3018, 0.3094

Deuteranopia

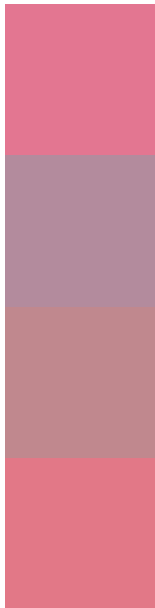
31.5315, 0.3464, 0.3394



Tritanopia

31.4285, 0.4293, 0.3200

Trichromacy



Original Color

31.3321, 0.4115, 0.2980

Protanomaly

30.4833, 0.3378, 0.3037

Deuteranomaly

30.7678, 0.3696, 0.3210

Tritanomaly

31.3510, 0.4223, 0.3118

Monochromacy



Original Color

31.3321, 0.4115, 0.2980

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.1079, 0.3460, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3321, 0.4115, 0.2980 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(227, 118, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 118, 145) }
```

Border

The CSS property to change the border of an element to Yxy 31.3321, 0.4115, 0.2980 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, 145) }
```

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

```
.border{ border-color:rgb(227, 118, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 118, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 118, 145);  
box-shadow:4px 4px 4px 4px rgb(227, 118,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3321, 0.4115, 0.2980 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, 145) }
```

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

```
.background{ background-color: rgb(227,  
118, 145) }
```

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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