

Converting Colors

$Y_{xy}(31.4737, 0.4043, 0.3019)$

Have a look what the booklet for
Yxy(31.4737, 0.4043, 0.3019)
contains.

Yxy(31.4930, 0.4044, 0.3019)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.4930, 0.4044, 0.3019)

Conversions

Conversions Part 1

Format	Color
Hex	DE7A91
RGB	222, 122, 145
RGB Percent	87%, 48%, 57%
CMY	0.1296, 0.5214, 0.4314
CMYK	0.00, 0.45, 0.35, 0.13
HSL	346°, 60%, 67%
HSV	346°, 45%, 87%
XYZ	42.1854, 31.4930, 30.6376
YIQ	154.5220, 52.2170, 28.3530

Conversions

Conversions Part 2

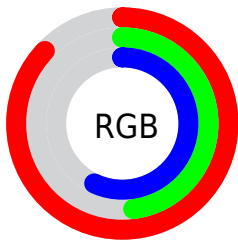
Format	Color
R _Y B	222, 122, 145
Decimal	14580369
CIE Lab	62.92, 41.22, 5.01
CIE LCh	63, 41.522, 6.936
Yxy	31.4930, 0.4044, 0.3019
Android (android.graphics.Color)	4292770449 (0xFFDE7A91)
YUV	154.5220, -4.6943, 59.1782
Hunter-Lab	56.1186, 35.9741, 6.9140

Details

The Yxy color **31.4930, 0.4044, 0.3019** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **60.4870, 0.2641, 0.3594**, and the grayscale version is **32.5624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4342, 0.3628, 0.3052**, and **13.0991, 0.4349, 0.2912** is the 20% darker color. If you saturate the color by 10%, you get **26.1622, 0.4375, 0.2969**, and if you desaturate by 10%, it is **38.1511, 0.3764, 0.3078**.

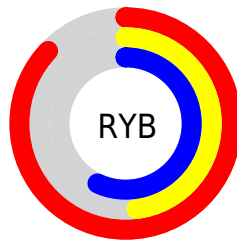
Distribution



Red (87%)

Green (48%)

Blue (57%)



Red (87%)

Yellow (48%)

Blue (57%)

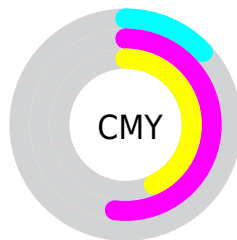


Cyan (0%)

Magenta (45%)

Yellow (35%)

Black (13%)



Cyan (13%)


Magenta (52%)


Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4930, 0.4044, 0.3019 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 31.4930, 0.4044, 0.3019 by changing the saturation by 10% instead.


 31.4930, 0.4044,
0.3019


 31.4930, 0.4044,
0.3019

308.8032, 0.3554,
0.3170

 20.9745, 0.4177,
0.2976

 62.0154, 0.3858,
0.3078

 13.1054, 0.4354,
0.2917


 82.7882, 0.3791,
0.3099

 7.5012, 0.4600,
0.2833


 107.7478, 0.3735,
0.3116

 3.7775, 0.4966,
0.2703

137.2787, 0.3687,
0.3130

 1.5499, 0.5554,
0.2480

171.7654, 0.3647,
0.3142

 0.3234, 0.8124,
0.1867

211.5920, 0.3612,

 0.0000, 1.0000,

0.3153

0.0000

257.1432, 0.3581,
0.3162

■ 0.0000, 0.0000,
0.0000

■ 31.4930, 0.4044,
0.3019

■ 31.4930, 0.4044,
0.3019

■ 26.1622, 0.4375,
0.2969

■ 38.1511, 0.3764,
0.3078

■ 22.0645, 0.4750,
0.2938

■ 46.2128, 0.3533,
0.3141

■ 19.1011, 0.5151,
0.2937

■ 55.7543, 0.3345,
0.3203

■ 17.1554, 0.5542,
0.2972


■ 66.8448, 0.3192,
0.3262

■ 16.0853, 0.5878,
0.3047

■ 79.5491, 0.3069,
0.3317

 15.7627, 0.6018,
0.3089

 93.7947, 0.2969,
0.3365

 94.2638, 0.2929,
0.3289

Harmonies

Analogous

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



31.4930, 0.3410, 0.2607



31.4930, 0.4044, 0.3019



31.4930, 0.4410, 0.3509

Triad

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



31.4930, 0.4044, 0.3019



31.4930, 0.3396, 0.4490



31.4930, 0.1997, 0.2434

Complementary

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



31.4930, 0.4044, 0.3019



60.4870, 0.2641, 0.3594

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.



31.4930, 0.1994, 0.2855



31.4930, 0.4044, 0.3019



31.4930, 0.2761, 0.4153

Square

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



31.4930, 0.4044, 0.3019



31.4930, 0.3991, 0.4390



31.4930, 0.2257, 0.3498



31.4930, 0.2256, 0.2272

Rectangle

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



31.4930, 0.4044, 0.3019



31.4930, 0.4432, 0.3843



31.4930, 0.2257, 0.3498



31.4930, 0.1967, 0.2545

Sweetspot

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



31.4946, 0.4044, 0.3019



77.6534, 0.3330, 0.3209



31.2925, 0.2952, 0.2118



15.9659, 0.3367, 0.3195



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.



31.4946, 0.4044, 0.3019



36.2203, 0.4353, 0.2972



38.3236, 0.4176, 0.3611



13.7519, 0.3256, 0.3236



9.3803, 0.5984, 0.3070



0.6638, 0.5549, 0.2830

Inverse Universe

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



31.4946, 0.4044, 0.3019



36.2203, 0.4353, 0.2972



48.5834, 0.2462, 0.2932



13.7519, 0.3256, 0.3236



9.3803, 0.5984, 0.3070



0.6638, 0.5549, 0.2830

Previews

White Background



This preview shows how the Yxy color 31.4930, 0.4044, 0.3019 looks on a white background.

Color Contrast Check

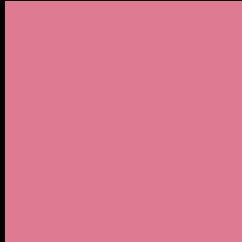
Large Text (above 18pt) WCAG AA × Fail

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 31.4930, 0.4044, 0.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

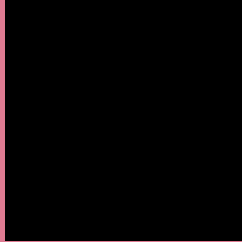
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4930, 0.4044, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 31.4930, 0.4044, 0.3019.



This preview shows how white text looks on a background with the Yxy color 31.4930, 0.4044, 0.3019.

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

31.4930, 0.4044, 0.3019

Protanopia

31.8374, 0.3045, 0.3139

Deuteranopia

31.5612, 0.3453, 0.3379



Tritanopia

31.4809, 0.4175, 0.3185

Trichromacy



Original Color

31.4930, 0.4044, 0.3019

Protanomaly

30.9150, 0.3374, 0.3078

Deuteranomaly

31.0771, 0.3667, 0.3237

Tritanomaly

31.3442, 0.4130, 0.3125

Monochromacy



Original Color

31.4930, 0.4044, 0.3019

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.4630, 0.3433, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4930, 0.4044, 0.3019 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(222, 122, 145)` looks like.

```
.text, #text, p{  
    color:rgb(222, 122, 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(222, 122, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 122, 145) }
```

Border

The CSS property to change the border of an element to Yxy 31.4930, 0.4044, 0.3019 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(222, 122, 145) }
```

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

```
.border{ border-color:rgb(222, 122, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 122, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 122, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 122, 145);  
box-shadow:4px 4px 4px 4px rgb(222, 122,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4930, 0.4044, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 122, 145) }
```

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

```
.background{ background-color: rgb(222,  
122, 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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