

Converting Colors

$Y_{xy}(31.6179, 0.3912, 0.3020)$

Have a look what the booklet for
Yxy(31.6179, 0.3912, 0.3020)
contains.

Yxy(31.5069, 0.3915, 0.3021)	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(31.5069, 0.3915, 0.3021)

Conversions

Conversions Part 1

Format	Color
Hex	D77E94
RGB	215, 126, 148
RGB Percent	84%, 49%, 58%
CMY	0.1569, 0.5059, 0.4195
CMYK	0.00, 0.41, 0.31, 0.16
HSL	345°, 53%, 67%
HSV	345°, 41%, 84%
XYZ	40.8307, 31.5069, 31.9554
YIQ	155.1190, 45.9820, 25.7100

Conversions

Conversions Part 2

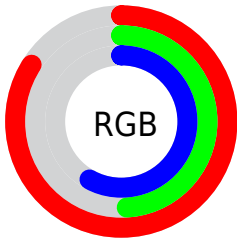
Format	Color
R _Y B	215, 126, 148
Decimal	14122644
CIE Lab	62.93, 37.04, 3.18
CIE LCh	63, 37.177, 4.909
Yxy	31.5069, 0.3915, 0.3021
Android (android.graphics.Color)	4292312724 (0xFFD77E94)
YUV	155.1190, -3.5097, 52.5156
Hunter-Lab	56.1310, 31.6148, 5.5379

Details

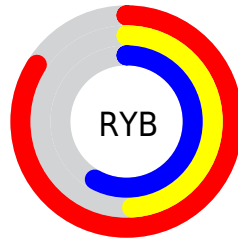
The Yxy color **31.5069, 0.3915, 0.3021** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **56.8837, 0.2682, 0.3587**, and the grayscale version is **32.8358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1668, 0.3593, 0.3063**, and **13.1643, 0.4191, 0.2939** is the 20% darker color. If you saturate the color by 10%, you get **26.1109, 0.4218, 0.2962**, and if you desaturate by 10%, it is **38.1591, 0.3661, 0.3087**.

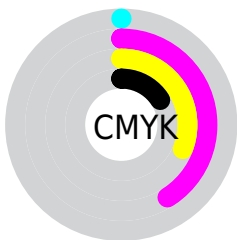
Distribution



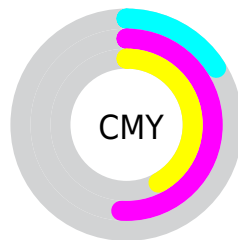
- Red (84%)
- Green (49%)
- Blue (58%)



- Red (84%)
- Yellow (49%)
- Blue (58%)



- Cyan (0%)
- Magenta (41%)
- Yellow (31%)
- Black (16%)





- Cyan (16%)
- Magenta (51%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5069, 0.3915, 0.3021 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 31.5069, 0.3915, 0.3021 by changing the saturation by 10% instead.


 31.5069, 0.3915,
0.3021


 31.5069, 0.3915,
0.3021


308.8668, 0.3494,
0.3168

 20.9851, 0.4029,
0.2980


 62.0373, 0.3756,
0.3078

 13.1131, 0.4181,
0.2924


 82.8147, 0.3698,
0.3098

 7.5065, 0.4394,
0.2845


 107.7794, 0.3650,
0.3115

 3.7808, 0.4711,
0.2725

137.3158, 0.3609,
0.3129

 1.5517, 0.5227,
0.2521

171.8084, 0.3574,
0.3141

 0.3247, 0.7359,
0.1881

211.6415, 0.3544,

 0.0000, 1.0000,

0.3151

0.0000

257.1995, 0.3518,
0.3160

0.0000, 0.0000,
0.0000

31.5069, 0.3915,
0.3021

31.5069, 0.3915,
0.3021

26.1109, 0.4218,
0.2962

38.1591, 0.3661,
0.3087

21.8870, 0.4568,
0.2919

46.1351, 0.3452,
0.3154

18.7483, 0.4953,
0.2902


55.5035, 0.3282,
0.3220


16.5936, 0.5345,
0.2922

66.3265, 0.3144,
0.3282

15.3023, 0.5704,
0.2983

78.6627, 0.3032,
0.3339

 14.7051, 0.5961,
0.3058

 92.5653, 0.2941,
0.3391

 93.1863, 0.2889,
0.3289

Harmonies

Analogous

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



31.5069, 0.3342, 0.2650



31.5069, 0.3915, 0.3021



31.5069, 0.4264, 0.3468

Triad

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



31.5069, 0.3915, 0.3021



31.5069, 0.3417, 0.4363



31.5069, 0.2094, 0.2540

Complementary

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



31.5069, 0.3915, 0.3021



56.8837, 0.2682, 0.3587

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.



31.5069, 0.2109, 0.2941



31.5069, 0.3915, 0.3021



31.5069, 0.2840, 0.4085

Square

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



31.5069, 0.3915, 0.3021



31.5069, 0.3942, 0.4266



31.5069, 0.2369, 0.3522



31.5069, 0.2317, 0.2370

Rectangle

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



31.5069, 0.3915, 0.3021



31.5069, 0.4305, 0.3772



31.5069, 0.2369, 0.3522



31.5069, 0.2072, 0.2648

Sweetspot

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



31.5084, 0.3915, 0.3021



80.6111, 0.3293, 0.3215



31.1337, 0.2957, 0.2210



16.8434, 0.3314, 0.3207



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.



31.5084, 0.3915, 0.3021



39.0730, 0.4188, 0.2967



37.2122, 0.4066, 0.3567



12.4707, 0.3253, 0.3233



8.8102, 0.5925, 0.3037



0.5447, 0.5426, 0.2763

Inverse Universe

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



31.5084, 0.3915, 0.3021



39.0730, 0.4188, 0.2967



47.3706, 0.2515, 0.2987



12.4707, 0.3253, 0.3233



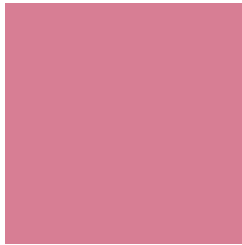
8.8102, 0.5925, 0.3037



0.5447, 0.5426, 0.2763

Previews

White Background



This preview shows how the Yxy color 31.5069, 0.3915, 0.3021 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 31.5069, 0.3915, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

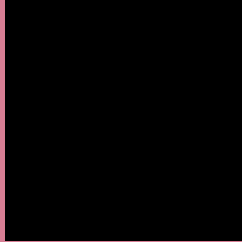
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5069, 0.3915, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 31.5069, 0.3915, 0.3021.



This preview shows how white text looks on a background with the Yxy color 31.5069, 0.3915, 0.3021.

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

31.5069, 0.3915, 0.3021

Protanopia

31.7762, 0.3027, 0.3124

Deuteranopia

31.5390, 0.3411, 0.3335



Tritanopia

31.5406, 0.4031, 0.3181

Trichromacy



Original Color

31.5069, 0.3915, 0.3021

Protanomaly

31.2275, 0.3318, 0.3077

Deuteranomaly

31.0744, 0.3597, 0.3208

Tritanomaly

31.3980, 0.3986, 0.3119

Monochromacy



Original Color

31.5069, 0.3915, 0.3021

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.5606, 0.3399, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5069, 0.3915, 0.3021 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(215, 126, 148)` looks like.

```
.text, #text, p{  
    color:rgb(215, 126, 148)  
}
```

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(215, 126, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 126, 148) }
```

Border

The CSS property to change the border of an element to Yxy 31.5069, 0.3915, 0.3021 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(215, 126, 148) }
```

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

```
.border{ border-color:rgb(215, 126, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 126, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 126, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 126, 148);  
box-shadow:4px 4px 4px 4px rgb(215, 126,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5069, 0.3915, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 126, 148) }
```

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

```
.background{ background-color: rgb(215,  
126, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor