

Converting Colors

$Y_{xy}(29.8542, 0.4000, 0.3074)$

Have a look what the booklet for
Yxy(29.8542, 0.4000, 0.3074)
contains.

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Color

Yxy(29.8096, 0.3998, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	D47A8C
RGB	212, 122, 140
RGB Percent	83%, 48%, 55%
CMY	0.1686, 0.5216, 0.4511
CMYK	0.00, 0.42, 0.34, 0.17
HSL	348°, 51%, 65%
HSV	348°, 42%, 83%
XYZ	38.8458, 29.8096, 28.5076
YIQ	150.9620, 47.8620, 24.6780

Conversions

Conversions Part 2

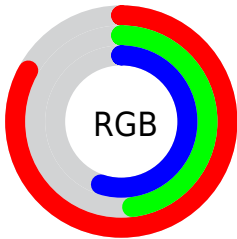
Format	Color
R _Y B	212, 122, 140
Decimal	13925004
CIE Lab	61.49, 37.05, 5.66
CIE LCh	61, 37.477, 8.680
Yxy	29.8096, 0.3998, 0.3068
Android (android.graphics.Color)	4292115084 (0xFFD47A8C)
YUV	150.9620, -5.4043, 53.5303
Hunter-Lab	54.5982, 31.4532, 7.2613

Details

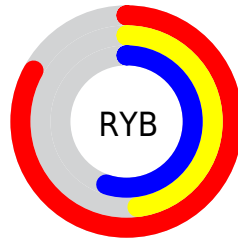
The Yxy color **29.8096, 0.3998, 0.3068** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **55.1278, 0.2649, 0.3535**, and the grayscale version is **30.9388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1609, 0.3681, 0.3114**, and **12.2132, 0.4304, 0.2984** is the 20% darker color. If you saturate the color by 10%, you get **24.6978, 0.4328, 0.3023**, and if you desaturate by 10%, it is **36.1371, 0.3721, 0.3121**.

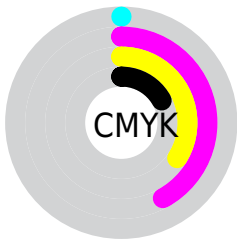
Distribution



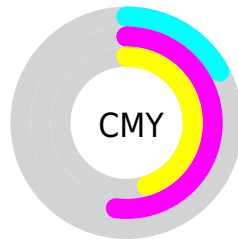
- Red (83%)
- Green (48%)
- Blue (55%)



- Red (83%)
- Yellow (48%)
- Blue (55%)



- Cyan (0%)
- Magenta (42%)
- Yellow (34%)
- Black (17%)





- Cyan (17%)
- Magenta (52%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8096, 0.3998, 0.3068 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 29.8096, 0.3998, 0.3068 by changing the saturation by 10% instead.

 29.8096, 0.3998,
0.3068


 29.8096, 0.3998,
0.3068


301.0159, 0.3528,
0.3194

 19.6941, 0.4127,
0.3031


 59.3609, 0.3818,
0.3118

 12.1729, 0.4301,
0.2979


 79.5656, 0.3754,
0.3135

 6.8615, 0.4546,
0.2904


 103.9021, 0.3700,
0.3150

 3.3757, 0.4914,
0.2783

132.7548, 0.3655,
0.3162

 1.3309, 0.5522,
0.2568

166.5082, 0.3616,
0.3172

 0.1649, 0.8676,
0.1324

205.5465, 0.3583,


 0.0000, 1.0000,


0.3180

0.0000


250.2543, 0.3554,
0.3188


 0.0000, 0.0000,
0.0000

 29.8096, 0.3998,
0.3068

 29.8096, 0.3998,
0.3068


 24.6978, 0.4328,
0.3023


 36.1371, 0.3721,
0.3121

 20.7191, 0.4708,
0.2992


 43.7472, 0.3493,
0.3175


 17.7878, 0.5119,
0.2986


 52.7069, 0.3309,
0.3228

 15.8036, 0.5526,
0.3012


 63.0773, 0.3159,
0.3278

 14.6465, 0.5882,
0.3073

 74.9161, 0.3038,
0.3325

 14.1685, 0.6095,
0.3131

 88.2772, 0.2940,
0.3367

 92.7389, 0.2872,
0.3289

Harmonies

Analogous

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



29.8096, 0.3426, 0.2675



29.8096, 0.3998, 0.3068



29.8096, 0.4315, 0.3529

Triad

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



29.8096, 0.3998, 0.3068



29.8096, 0.3347, 0.4380



29.8096, 0.2085, 0.2485

Complementary

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



29.8096, 0.3998, 0.3068



55.1278, 0.2649, 0.3535

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.



29.8096, 0.2069, 0.2866



29.8096, 0.3998, 0.3068



29.8096, 0.2762, 0.4047

Square

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



29.8096, 0.3998, 0.3068



29.8096, 0.3902, 0.4322



29.8096, 0.2303, 0.3447



29.8096, 0.2342, 0.2343

Rectangle

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



29.8096, 0.3998, 0.3068



29.8096, 0.4324, 0.3838



29.8096, 0.2303, 0.3447



29.8096, 0.2052, 0.2585

Sweetspot

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



29.8111, 0.3998, 0.3068



79.0505, 0.3320, 0.3225



30.1442, 0.2996, 0.2197



16.2383, 0.3358, 0.3213



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.



29.8111, 0.3998, 0.3068



38.1463, 0.4296, 0.3026



36.9005, 0.4074, 0.3629



12.4610, 0.3260, 0.3244



8.7573, 0.6063, 0.3114



0.5402, 0.5583, 0.2849

Inverse Universe

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



29.8111, 0.3998, 0.3068



38.1463, 0.4296, 0.3026



43.5936, 0.2491, 0.2914



12.4610, 0.3260, 0.3244



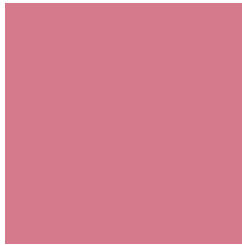
8.7573, 0.6063, 0.3114



0.5402, 0.5583, 0.2849

Previews

White Background



This preview shows how the Yxy color 29.8096, 0.3998, 0.3068 looks on a white background.

Color Contrast Check

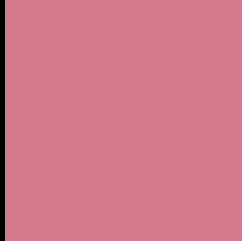
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8096, 0.3998, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

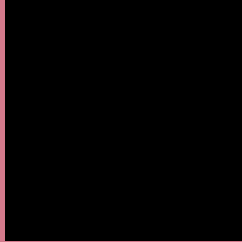
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8096, 0.3998, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 29.8096, 0.3998, 0.3068.



This preview shows how white text looks on a background with the Yxy color 29.8096, 0.3998, 0.3068.

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

29.8096, 0.3998, 0.3068

Protanopia

30.0304, 0.3081, 0.3182

Deuteranopia

30.0489, 0.3470, 0.3411



Tritanopia

29.6807, 0.4083, 0.3180

Trichromacy



Original Color

29.8096, 0.3998, 0.3068

Protanomaly

29.5515, 0.3387, 0.3131

Deuteranomaly

29.6048, 0.3663, 0.3277

Tritanomaly

29.7641, 0.4045, 0.3142

Monochromacy



Original Color

29.8096, 0.3998, 0.3068

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.7470, 0.3417, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8096, 0.3998, 0.3068 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(212, 122, 140)` looks like.

```
.text, #text, p{  
    color:rgb(212, 122, 140)  
}
```

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(212, 122, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 122, 140) }
```

Border

The CSS property to change the border of an element to Yxy 29.8096, 0.3998, 0.3068 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(212, 122, 140) }
```

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

```
.border{ border-color:rgb(212, 122, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 122, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 122, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 122, 140);  
box-shadow:4px 4px 4px 4px rgb(212, 122,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8096, 0.3998, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 122, 140) }
```

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

```
.background{ background-color: rgb(212,  
122, 140) }
```

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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