

Converting Colors

$Y_{xy}(20.9322, 0.4610, 0.2845)$

Have a look what the booklet for
Yxy(20.9322, 0.4610, 0.2845)
contains.

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Color

Yxy(21.0288, 0.4610, 0.2847)

Conversions

Conversions Part 1

Format	Color
Hex	D84C74
RGB	216, 76, 116
RGB Percent	85%, 30%, 45%
CMY	0.1530, 0.7018, 0.5451
CMYK	0.00, 0.65, 0.46, 0.15
HSL	343°, 64%, 57%
HSV	343°, 65%, 85%
XYZ	34.0508, 21.0288, 18.7834
YIQ	122.4200, 70.6000, 42.1200

Conversions

Conversions Part 2

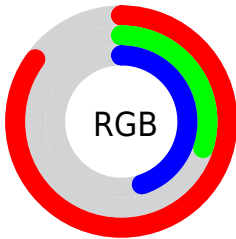
Format	Color
R_{YB}	216, 76, 116
Decimal	14175348
CIE _{Lab}	52.98, 57.78, 7.60
CIE _{LCh}	53, 58.278, 7.490
Yxy	21.0288, 0.4610, 0.2847
Android (android.graphics.Color)	4292365428 (0xFFD84C74)
YUV	122.4200, -3.1651, 82.0697
Hunter-Lab	45.8572, 52.2936, 7.8145

Details

The Yxy color **21.0288, 0.4610, 0.2847** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **53.7750, 0.2549, 0.3876**, and the grayscale version is **19.6035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5897, 0.4068, 0.2919**, and **7.5287, 0.5194, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **18.2058, 0.4980, 0.2835**, and if you desaturate by 10%, it is **24.9124, 0.4267, 0.2891**.

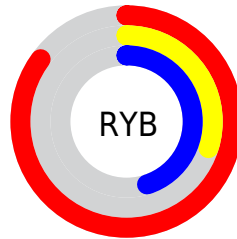
Distribution



Red (85%)

Green (30%)

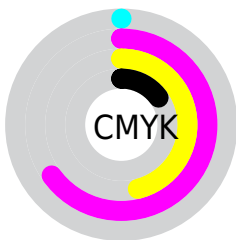
Blue (45%)



Red (85%)

Yellow (30%)

Blue (45%)

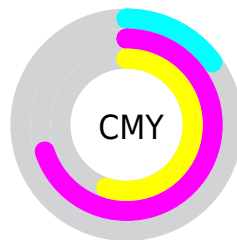


Cyan (0%)

Magenta (65%)

Yellow (46%)

Black (15%)



Cyan (15%)


Magenta (70%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0288, 0.4610, 0.2847 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 21.0288, 0.4610, 0.2847 by changing the saturation by 10% instead.


 21.0288, 0.4610,
0.2847


 21.0288, 0.4610,
0.2847


257.4315, 0.3772,
0.3113


 13.1451, 0.4854,
0.2763


 45.1355, 0.4280,
0.2956

 7.5285, 0.5189,
0.2642


 62.1272, 0.4164,
0.2993


 3.7948, 0.5673,
0.2459

 82.9236, 0.4069,
0.3023

 1.5594, 0.6412,
0.2156

 107.9093, 0.3990,
0.3047

 0.3300, 0.8624,
0.1376

 137.4685, 0.3923,
0.3068

 0.0000, 1.0000,
0.0000

171.9857, 0.3865,

 0.0000, 0.0000,

0.3085

0.0000

211.8452, 0.3815,
0.3100

■ 21.0288, 0.4610,
0.2847

■ 21.0288, 0.4610,
0.2847

■ 18.2058, 0.4980,
0.2835

■ 24.9124, 0.4267,
0.2891

■ 16.3324, 0.5351,
0.2866

■ 29.9460, 0.3966,
0.2955


■ 15.2791, 0.5685,
0.2941


■ 36.2133, 0.3711,
0.3029


■ 14.9400, 0.5838,
0.2990

■ 43.7893, 0.3499,
0.3107

■ 52.7431, 0.3326,
0.3184

 63.1387, 0.3185,
0.3257

 75.0362, 0.3070,
0.3325

 88.4922, 0.2977,
0.3387

 93.3278, 0.2895,
0.3291

Harmonies

Analogous

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



21.0288, 0.3567, 0.2278



21.0288, 0.4610, 0.2847



21.0288, 0.5159, 0.3518

Triad

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



21.0288, 0.4610, 0.2847



21.0288, 0.3421, 0.5269



21.0288, 0.1478, 0.1965

Complementary

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



21.0288, 0.4610, 0.2847



53.7750, 0.2549, 0.3876

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.



21.0288, 0.1447, 0.2529



21.0288, 0.4610, 0.2847



21.0288, 0.2479, 0.4749

Square

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



21.0288, 0.4610, 0.2847



21.0288, 0.4338, 0.4932



21.0288, 0.1770, 0.3561



21.0288, 0.1832, 0.1787

Rectangle

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



21.0288, 0.4610, 0.2847



21.0288, 0.5127, 0.3994



21.0288, 0.1770, 0.3561



21.0288, 0.1432, 0.2104

Sweetspot

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



21.0300, 0.4610, 0.2847



70.8555, 0.3398, 0.3151



19.1284, 0.2737, 0.1614



14.3707, 0.3449, 0.3128



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.



21.0300, 0.4610, 0.2847



25.2877, 0.5128, 0.2842



25.0232, 0.4978, 0.3603



12.4785, 0.3247, 0.3224



8.8610, 0.5799, 0.2968



0.5487, 0.5299, 0.2693

Inverse Universe

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



21.0300, 0.4610, 0.2847



25.2877, 0.5128, 0.2842



42.4571, 0.2266, 0.2884



12.4785, 0.3247, 0.3224



8.8610, 0.5799, 0.2968



0.5487, 0.5299, 0.2693

Previews

White Background



This preview shows how the Yxy color 21.0288, 0.4610, 0.2847 looks on a white background.

Color Contrast Check

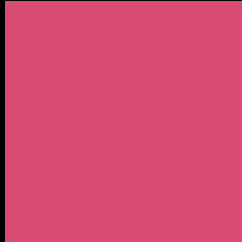
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0288, 0.4610, 0.2847 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 21.0288, 0.4610, 0.2847

Background



This preview shows how black text looks on a background with the Yxy color 21.0288, 0.4610, 0.2847.

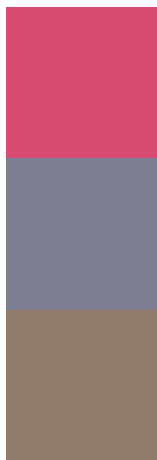


This preview shows how white text looks on a background with the Yxy color 21.0288, 0.4610, 0.2847.

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

21.0288, 0.4610, 0.2847

Protanopia

21.2204, 0.2914, 0.2972

Deuteranopia

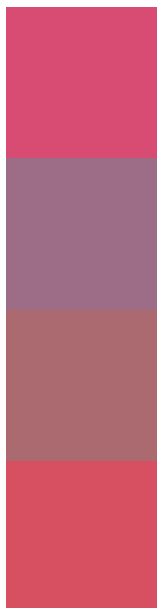
21.1342, 0.3589, 0.3515



Tritanopia

21.0188, 0.5007, 0.3241

Trichromacy



Original Color

21.0288, 0.4610, 0.2847

Protanomaly

19.6145, 0.3452, 0.2873

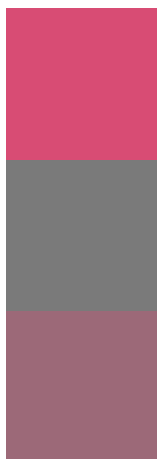
Deuteranomaly

19.9309, 0.3959, 0.3185

Tritanomaly

21.0662, 0.4864, 0.3096

Monochromacy



Original Color

21.0288, 0.4610, 0.2847

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

18.5271, 0.3640, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0288, 0.4610, 0.2847 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(216, 76, 116)` looks like.

```
.text, #text, p{  
    color:rgb(216, 76, 116)  
}
```

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(216, 76, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 76, 116) }
```

Border

The CSS property to change the border of an element to Yxy 21.0288, 0.4610, 0.2847 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(216, 76, 116) }
```

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

```
.border{ border-color:rgb(216, 76, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 76, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 76, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 76, 116);  
box-shadow:4px 4px 4px 4px rgb(216, 76,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0288, 0.4610, 0.2847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 76, 116) }
```

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

```
.background{ background-color: rgb(216, 76,  
116) }
```

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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