

Converting Colors

$Y_{xy}(46.2093, 0.3213, 0.2746)$

Have a look what the booklet for
Yxy(46.2093, 0.3213, 0.2746)
contains.

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Color

Yxy(46.1595, 0.3215, 0.2751)

Conversions

Conversions Part 1

Format	Color
Hex	DAA4D3
RGB	218, 164, 211
RGB Percent	85%, 64%, 83%
CMY	0.1451, 0.3568, 0.1726
CMYK	0.00, 0.25, 0.03, 0.15
HSL	308°, 42%, 75%
HSV	308°, 25%, 85%
XYZ	53.9450, 46.1595, 67.6872
YIQ	185.5040, 17.0970, 26.0650

Conversions

Conversions Part 2

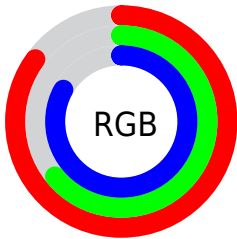
Format	Color
R _Y B	218, 164, 211
Decimal	14329043
CIE Lab	73.65, 27.56, -16.12
CIE LCh	74, 31.928, 329.667
Yxy	46.1595, 0.3215, 0.2751
Android (android.graphics.Color)	4292519123 (0xFFDAA4D3)
YUV	185.5040, 12.5695, 28.4990
Hunter-Lab	67.9408, 22.8328, -11.5101

Details

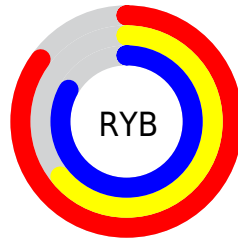
The Yxy color **46.1595, 0.3215, 0.2751** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.9762, 0.3050, 0.3896**, and the grayscale version is **48.7335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1430, 0.3144, 0.2940**, and **21.6700, 0.3232, 0.2624** is the 20% darker color. If you saturate the color by 10%, you get **38.8751, 0.3258, 0.2532**, and if you desaturate by 10%, it is **54.7878, 0.3176, 0.2972**.

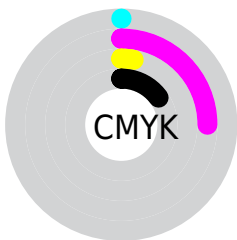
Distribution



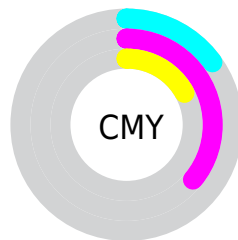
- Red (85%)
- Green (64%)
- Blue (83%)



- Red (85%)
- Yellow (64%)
- Blue (83%)



- Cyan (0%)
- Magenta (25%)
- Yellow (3%)
- Black (15%)





- Cyan (15%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1595, 0.3215, 0.2751 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 46.1595, 0.3215, 0.2751 by changing the saturation by 10% instead.


 46.1595, 0.3215,
0.2751

 46.1595, 0.3215,
0.2751

371.4495, 0.3176,
0.3009

 32.3717, 0.3223,
0.2690


 84.4577, 0.3202,
0.2842

 21.6456, 0.3233,
0.2614


 109.7368, 0.3197,
0.2877

 13.5967, 0.3245,
0.2515


139.6152, 0.3192,
0.2907

 7.8407, 0.3259,
0.2384

174.4772, 0.3188,
0.2933

 3.9932, 0.3276,
0.2201

214.7073, 0.3185,
0.2955

 1.6698, 0.3293,
0.1928

260.6897, 0.3182,

 0.4040, 0.3381,

0.2975

0.1270

312.8090, 0.3179,
0.2993

0.0000, 0.0121,
0.0000

0.0000, 0.0000,
0.0000

46.1595, 0.3215,
0.2751

46.1595, 0.3215,
0.2751

38.8751, 0.3258,
0.2532

54.7878, 0.3176,
0.2972

32.8602, 0.3304,
0.2323

64.8173, 0.3142,
0.3189

28.0428, 0.3353,
0.2134

76.3093, 0.3112,
0.3398

24.3409, 0.3404,
0.1976

89.3196, 0.3086,
0.3594

■ 21.6623, 0.3454,
0.1855

■ 91.8690, 0.3069,
0.3601

■ 19.9001, 0.3503,
0.1778

■ 92.0249, 0.3053,
0.3571

■ 18.9236, 0.3548,
0.1746

■ 92.1833, 0.3037,
0.3541

■ 18.6098, 0.3571,
0.1741

■ 92.3444, 0.3022,
0.3511

■ 92.5080, 0.3006,
0.3481

Harmonies

Analogous

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



46.1595, 0.2778, 0.2592



46.1595, 0.3215, 0.2751



46.1595, 0.3656, 0.3031

Triad

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



46.1595, 0.3215, 0.2751



46.1595, 0.3814, 0.4007



46.1595, 0.2362, 0.3107

Complementary

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



46.1595, 0.3215, 0.2751



60.9762, 0.3050, 0.3896

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.



46.1595, 0.2603, 0.3548



46.1595, 0.3215, 0.2751



46.1595, 0.3437, 0.4098

Square

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



46.1595, 0.3215, 0.2751



46.1595, 0.4011, 0.3733



46.1595, 0.2993, 0.3931



46.1595, 0.2312, 0.2764

Rectangle

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



46.1595, 0.3215, 0.2751



46.1595, 0.3880, 0.3260



46.1595, 0.2993, 0.3931



46.1595, 0.2422, 0.3249

Sweetspot

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



46.1615, 0.3215, 0.2751



88.9869, 0.3149, 0.3140



40.1958, 0.2754, 0.2600



18.8540, 0.3152, 0.3127



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.



46.1615, 0.3215, 0.2751



59.8969, 0.3238, 0.2630



44.9492, 0.3450, 0.3045



13.2442, 0.3157, 0.3089



11.1607, 0.3565, 0.1737



0.7313, 0.3498, 0.1701

Inverse Universe

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



46.1615, 0.3215, 0.2751



59.8969, 0.3238, 0.2630



62.0804, 0.2887, 0.3549



13.2442, 0.3157, 0.3089



11.1607, 0.3565, 0.1737



0.7313, 0.3498, 0.1701

Previews

White Background



This preview shows how the Yxy color 46.1595, 0.3215, 0.2751 looks on a white background.

Color Contrast Check

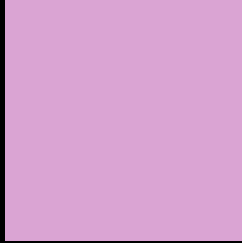
Large Text (above 18pt) WCAG AA × Fail

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 46.1595, 0.3215, 0.2751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

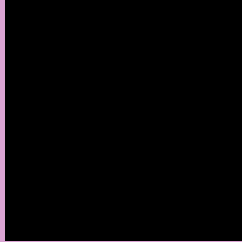
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1595, 0.3215, 0.2751

Background



This preview shows how black text looks on a background with the Yxy color 46.1595, 0.3215, 0.2751.



This preview shows how white text looks on a background with the Yxy color 46.1595, 0.3215, 0.2751.

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

46.1595, 0.3215, 0.2751

Protanopia

46.6336, 0.2761, 0.2776

Deuteranopia

46.4868, 0.2954, 0.2892



Tritanopia

46.0495, 0.3428, 0.3135

Trichromacy



Original Color

46.1595, 0.3215, 0.2751

Protanomaly

46.1007, 0.2918, 0.2765

Deuteranomaly

46.1640, 0.3046, 0.2830

Tritanomaly

45.9348, 0.3342, 0.2983

Monochromacy



Original Color

46.1595, 0.3215, 0.2751

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.7867, 0.3163, 0.3081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1595, 0.3215, 0.2751 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(218, 164, 211)` looks like.

```
.text, #text, p{  
    color:rgb(218, 164, 211)  
}
```

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(218, 164, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 164, 211) }
```

Border

The CSS property to change the border of an element to Yxy 46.1595, 0.3215, 0.2751 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(218, 164, 211) }
```

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

```
.border{ border-color:rgb(218, 164, 211) }
```

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

Here you see how a box with a 4 pixel rgb(218, 164, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 164, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 164, 211);  
box-shadow:4px 4px 4px 4px rgb(218, 164,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1595, 0.3215, 0.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 164, 211) }
```

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

```
.background{ background-color: rgb(218,  
164, 211) }
```

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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