

Converting Colors

Yxy(48.6324, 0.3211, 0.2870)

Have a look what the booklet for
Yxy(48.6324, 0.3211, 0.2870)
contains.

Yxy(48.6580, 0.3216, 0.2874)	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(48.6580, 0.3216, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	D8ACD0
RGB	216, 172, 208
RGB Percent	85%, 67%, 82%
CMY	0.1531, 0.3254, 0.1843
CMYK	0.00, 0.20, 0.04, 0.15
HSL	311°, 36%, 76%
HSV	311°, 20%, 85%
XYZ	54.4482, 48.6580, 66.1979
YIQ	189.2600, 14.6680, 20.5240

Conversions

Conversions Part 2

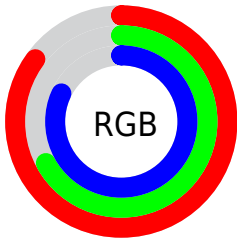
Format	Color
R _Y B	216, 172, 208
Decimal	14200016
CIE Lab	75.24, 21.99, -12.12
CIE LCh	75, 25.111, 331.132
Yxy	48.6580, 0.3216, 0.2874
Android (android.graphics.Color)	4292390096 (0xFFD8ACD0)
YUV	189.2600, 9.2388, 23.4510
Hunter-Lab	69.7553, 17.2582, -7.4376

Details

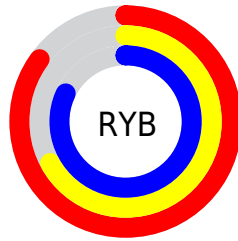
The Yxy color **48.6580, 0.3216, 0.2874** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.1598, 0.3049, 0.3745**, and the grayscale version is **50.9850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9668, 0.3139, 0.3029**, and **23.1038, 0.3236, 0.2756** is the 20% darker color. If you saturate the color by 10%, you get **40.9055, 0.3269, 0.2664**, and if you desaturate by 10%, it is **57.7554, 0.3169, 0.3082**.

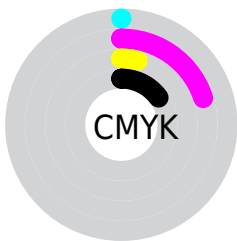
Distribution



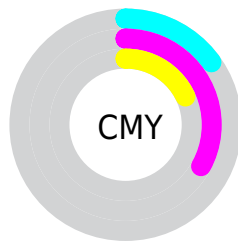
- Red (85%)
- Green (67%)
- Blue (82%)



- Red (85%)
- Yellow (67%)
- Blue (82%)



- Cyan (0%)
- Magenta (20%)
- Yellow (4%)
- Black (15%)





- Cyan (15%)
- Magenta (33%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6580, 0.3216, 0.2874 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 48.6580, 0.3216, 0.2874 by changing the saturation by 10% instead.


 48.6580, 0.3216,
0.2874

 48.6580, 0.3216,
0.2874


381.3944, 0.3175,
0.3074

 34.3483, 0.3225,
0.2827


 88.1833, 0.3202,
0.2945

 23.1613, 0.3237,
0.2767

114.1676, 0.3196,
0.2972

 14.7126, 0.3251,
0.2690


144.8123, 0.3192,
0.2995

 8.6180, 0.3269,
0.2587

180.5017, 0.3187,
0.3015

 4.4928, 0.3294,
0.2442

221.6202, 0.3184,
0.3032

 1.9529, 0.3326,
0.2223

268.5522, 0.3181,

 0.5799, 0.3404,

0.3048

0.1774

321.6822, 0.3178,
0.3061

0.0000, 0.1156,
0.0000

0.0000, 0.0000,
0.0000

48.6580, 0.3216,
0.2874

48.6580, 0.3216,
0.2874

40.9055, 0.3269,
0.2664

57.7554, 0.3169,
0.3082

34.4269, 0.3328,
0.2460

68.2513, 0.3128,
0.3283

29.1546, 0.3393,
0.2270

80.2044, 0.3094,
0.3474

25.0122, 0.3462,
0.2104

91.4760, 0.3065,
0.3619

■ 21.9144, 0.3532,
0.1971

■ 91.6903, 0.3043,
0.3577

■ 19.7638, 0.3603,
0.1881

■ 91.9095, 0.3021,
0.3535

■ 18.4445, 0.3671,
0.1836

■ 92.1336, 0.3000,
0.3493

■ 17.7613, 0.3734,
0.1831

■ 92.3628, 0.2978,
0.3452

■ 92.5969, 0.2957,
0.3411

Harmonies

Analogous

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



48.6580, 0.2873, 0.2742



48.6580, 0.3216, 0.2874



48.6580, 0.3551, 0.3103

Triad

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



48.6580, 0.3216, 0.2874



48.6580, 0.3651, 0.3856



48.6580, 0.2522, 0.3140

Complementary

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



48.6580, 0.3216, 0.2874



61.1598, 0.3049, 0.3745

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.



48.6580, 0.2709, 0.3473



48.6580, 0.3216, 0.2874



48.6580, 0.3357, 0.3906

Square

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



48.6580, 0.3216, 0.2874



48.6580, 0.3808, 0.3657



48.6580, 0.3011, 0.3765



48.6580, 0.2488, 0.2876

Rectangle

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



48.6580, 0.3216, 0.2874



48.6580, 0.3717, 0.3287



48.6580, 0.3011, 0.3765



48.6580, 0.2568, 0.3248

Sweetspot

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



48.6601, 0.3216, 0.2874



90.4465, 0.3151, 0.3169



44.0934, 0.2847, 0.2740



19.1466, 0.3154, 0.3156



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.



48.6601, 0.3216, 0.2874



66.2811, 0.3236, 0.2793



47.6796, 0.3399, 0.3117



12.5923, 0.3165, 0.3101



10.5317, 0.3725, 0.1825



0.6455, 0.3620, 0.1768

Inverse Universe

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



48.6601, 0.3216, 0.2874



66.2811, 0.3236, 0.2793



62.0972, 0.2914, 0.3470



12.5923, 0.3165, 0.3101



10.5317, 0.3725, 0.1825



0.6455, 0.3620, 0.1768

Previews

White Background



This preview shows how the Yxy color 48.6580, 0.3216, 0.2874 looks on a white background.

Color Contrast Check

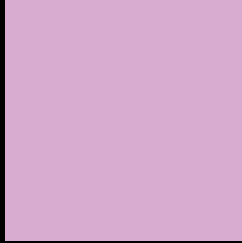
Large Text (above 18pt) WCAG AA × Fail

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 48.6580, 0.3216, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

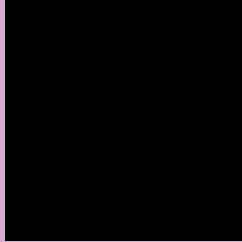
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6580, 0.3216, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 48.6580, 0.3216, 0.2874.



This preview shows how white text looks on a background with the Yxy color 48.6580, 0.3216, 0.2874.

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

48.6580, 0.3216, 0.2874

Protanopia

48.9421, 0.2859, 0.2893

Deuteranopia

48.9733, 0.3042, 0.2984



Tritanopia

48.4802, 0.3348, 0.3124

Trichromacy



Original Color

48.6580, 0.3216, 0.2874

Protanomaly

48.7841, 0.2981, 0.2890

Deuteranomaly

48.9023, 0.3101, 0.2942

Tritanomaly

48.5538, 0.3298, 0.3031

Monochromacy



Original Color

48.6580, 0.3216, 0.2874

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

49.9946, 0.3160, 0.3131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6580, 0.3216, 0.2874 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, 172, 208)` looks like.

```
.text, #text, p{  
    color:rgb(216, 172, 208)  
}
```

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, 172, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 172, 208) }
```

Border

The CSS property to change the border of an element to Yxy 48.6580, 0.3216, 0.2874 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, 172, 208) }
```

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

```
.border{ border-color:rgb(216, 172, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 172, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 172, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 172, 208);  
box-shadow:4px 4px 4px 4px rgb(216, 172,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6580, 0.3216, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 172, 208) }
```

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

```
.background{ background-color: rgb(216,  
172, 208) }
```

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