

Converting Colors

$Y_{xy}(45.4160, 0.3187, 0.2648)$

Have a look what the booklet for
Yxy(45.4160, 0.3187, 0.2648)
contains.

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Color

Yxy(45.3670, 0.3184, 0.2645)

Conversions

Conversions Part 1

Format	Color
Hex	DCA0D9
RGB	220, 160, 217
RGB Percent	86%, 63%, 85%
CMY	0.1373, 0.3725, 0.1489
CMYK	0.00, 0.27, 0.01, 0.14
HSL	303°, 46%, 75%
HSV	303°, 27%, 86%
XYZ	54.6119, 45.3670, 71.5409
YIQ	184.4380, 17.4630, 30.4470

Conversions

Conversions Part 2

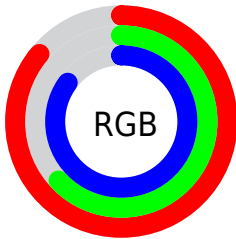
Format	Color
R _Y B	220, 160, 217
Decimal	14459097
CIE _{Lab}	73.13, 31.48, -20.19
CIE _{LCh}	73, 37.401, 327.321
Yxy	45.3670, 0.3184, 0.2645
Android (android.graphics.Color)	4292649177 (0xFFDCA0D9)
YUV	184.4380, 16.0531, 31.1879
Hunter-Lab	67.3550, 26.8577, -15.8262

Details

The Yxy color $45.3670, 0.3184, 0.2645$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $61.3020, 0.3072, 0.4033$, and the grayscale version is $48.0912, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.0809, 0.3145, 0.2900$, and $21.2263, 0.3189, 0.2489$ is the 20% darker color. If you saturate the color by 10%, you get $38.3477, 0.3207, 0.2412$, and if you desaturate by 10%, it is $53.7402, 0.3162, 0.2884$.

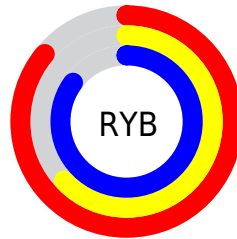
Distribution



Red (86%)

Green (63%)

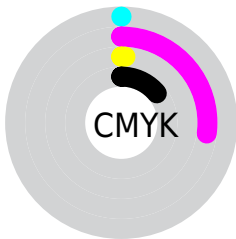
Blue (85%)



Red (86%)

Yellow (63%)

Blue (85%)

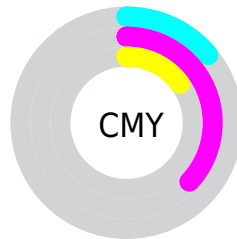


Cyan (0%)

Magenta (27%)

Yellow (1%)

Black (14%)



Cyan (14%)


Magenta (37%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3670, 0.3184, 0.2645 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 45.3670, 0.3184, 0.2645 by changing the saturation by 10% instead.


 45.3670, 0.3184,
0.2645


 45.3670, 0.3184,
0.2645


368.2579, 0.3163,
0.2951

 31.7466, 0.3187,
0.2573


 83.2709, 0.3178,
0.2753

 21.1680, 0.3191,
0.2484


 108.3231, 0.3175,
0.2794

 13.2469, 0.3194,
0.2369


137.9548, 0.3172,
0.2830

 7.5988, 0.3195,
0.2218

172.5502, 0.3170,
0.2861

 3.8393, 0.3191,
0.2009

212.4939, 0.3168,
0.2888

 1.5841, 0.3173,
0.1706

258.1701, 0.3166,

 0.3468, 0.3197,

0.2911

0.0986

309.9633, 0.3164,
0.2933

0.0000, 0.0729,
0.0000

0.0000, 0.0000,
0.0000

45.3670, 0.3184,
0.2645

45.3670, 0.3184,
0.2645

38.3477, 0.3207,
0.2412

53.7402, 0.3162,
0.2884

32.6053, 0.3231,
0.2195

63.5274, 0.3141,
0.3122

28.0640, 0.3255,
0.2002

74.7920, 0.3122,
0.3352

24.6377, 0.3278,
0.1844

87.5921, 0.3105,
0.3570

■ 22.2290, 0.3299,
0.1726

■ 92.0345, 0.3096,
0.3629

■ 20.7235, 0.3318,
0.1652

■ 92.0932, 0.3090,
0.3617

■ 19.9688, 0.3334,
0.1619

■ 92.1524, 0.3084,
0.3606

■ 19.8237, 0.3339,
0.1613

■ 92.2119, 0.3078,
0.3594

■ 92.2718, 0.3072,
0.3582

Harmonies

Analogous

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



45.3670, 0.2681, 0.2474



45.3670, 0.3184, 0.2645



45.3670, 0.3713, 0.2957

Triad

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



45.3670, 0.3184, 0.2645



45.3670, 0.3956, 0.4106



45.3670, 0.2250, 0.3105

Complementary

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



45.3670, 0.3184, 0.2645



61.3020, 0.3072, 0.4033

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.



45.3670, 0.2542, 0.3635



45.3670, 0.3184, 0.2645



45.3670, 0.3522, 0.4250

Square

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



45.3670, 0.3184, 0.2645



45.3670, 0.4173, 0.3765



45.3670, 0.3003, 0.4083



45.3670, 0.2177, 0.2693

Rectangle

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



45.3670, 0.3184, 0.2645



45.3670, 0.3990, 0.3216



45.3670, 0.3003, 0.4083



45.3670, 0.2324, 0.3276

Sweetspot

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



45.3690, 0.3184, 0.2645



87.6030, 0.3143, 0.3103



37.9916, 0.2670, 0.2511



18.2839, 0.3146, 0.3067



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.



45.3690, 0.3184, 0.2645



57.2837, 0.3198, 0.2504



43.9887, 0.3445, 0.2962



13.2631, 0.3145, 0.3071



11.6397, 0.3337, 0.1612



0.7576, 0.3314, 0.1599

Inverse Universe

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



45.3690, 0.3184, 0.2645



57.2837, 0.3198, 0.2504



62.4644, 0.2894, 0.3645



13.2631, 0.3145, 0.3071



11.6397, 0.3337, 0.1612



0.7576, 0.3314, 0.1599

Previews

White Background



This preview shows how the Yxy color 45.3670, 0.3184, 0.2645 looks on a white background.

Color Contrast Check

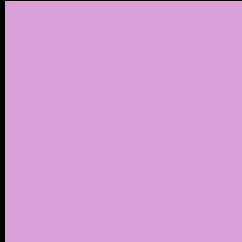
Large Text (above 18pt) WCAG AA × Fail

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 45.3670, 0.3184, 0.2645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

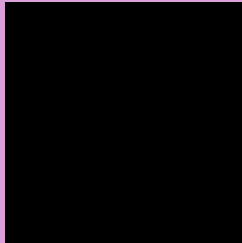
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3670, 0.3184, 0.2645

Background



This preview shows how black text looks on a background with the Yxy color 45.3670, 0.3184, 0.2645.



This preview shows how white text looks on a background with the Yxy color 45.3670, 0.3184, 0.2645.

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

45.3670, 0.3184, 0.2645

Protanopia

45.7695, 0.2664, 0.2643

Deuteranopia

45.7295, 0.2876, 0.2815



Tritanopia

45.3798, 0.3460, 0.3135

Trichromacy



Original Color

45.3670, 0.3184, 0.2645

Protanomaly

45.0012, 0.2834, 0.2635

Deuteranomaly

45.2578, 0.2981, 0.2746

Tritanomaly

45.1529, 0.3364, 0.2949

Monochromacy



Original Color

45.3670, 0.3184, 0.2645

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.5158, 0.3148, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3670, 0.3184, 0.2645 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(220, 160, 217)` looks like.

```
.text, #text, p{  
    color:rgb(220, 160, 217)  
}
```

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(220, 160, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 160, 217) }
```

Border

The CSS property to change the border of an element to Yxy 45.3670, 0.3184, 0.2645 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(220, 160, 217) }
```

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

```
.border{ border-color:rgb(220, 160, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 160, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 160, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 160, 217);  
box-shadow:4px 4px 4px 4px rgb(220, 160,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3670, 0.3184, 0.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 160, 217) }
```

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

```
.background{ background-color: rgb(220,  
160, 217) }
```

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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