

Converting Colors

$Yxy(45.8328, 0.3144, 0.2683)$

Have a look what the booklet for
Yxy(45.8328, 0.3144, 0.2683)
contains.

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Color

Yxy(45.9559, 0.3146, 0.2693)

Conversions

Conversions Part 1

Format	Color
Hex	D7A4D8
RGB	215, 164, 216
RGB Percent	84%, 64%, 85%
CMY	0.1570, 0.3568, 0.1529
CMYK	0.00, 0.24, 0.00, 0.15
HSL	299°, 40%, 75%
HSV	299°, 24%, 85%
XYZ	53.6863, 45.9559, 71.0072
YIQ	185.1770, 13.7040, 26.9840

Conversions

Conversions Part 2

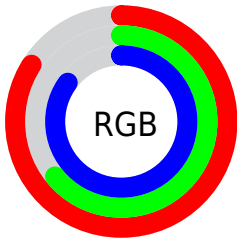
Format	Color
R _{YB}	215, 164, 216
Decimal	14132440
CIE Lab	73.52, 27.46, -19.10
CIE LCh	74, 33.451, 325.185
Yxy	45.9559, 0.3146, 0.2693
Android (android.graphics.Color)	4292322520 (0xFFD7A4D8)
YUV	185.1770, 15.1957, 26.1548
Hunter-Lab	67.7908, 22.7277, -14.6496

Details

The Yxy color $45.9559, 0.3146, 0.2693$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $59.7996, 0.3103, 0.3966$, and the grayscale version is $48.5276, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.1430, 0.3144, 0.2940$, and $21.6351, 0.3150, 0.2550$ is the 20% darker color. If you saturate the color by 10%, you get $38.8057, 0.3153, 0.2446$, and if you desaturate by 10%, it is $54.4233, 0.3138, 0.2944$.

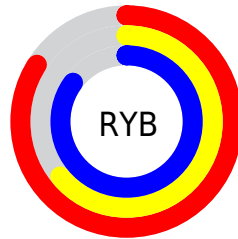
Distribution



Red (84%)

Green (64%)

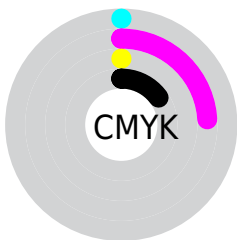
Blue (85%)



Red (84%)

Yellow (64%)

Blue (85%)

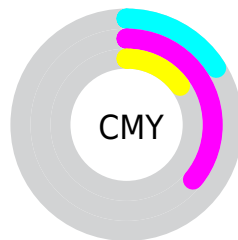


Cyan (0%)

Magenta (24%)

Yellow (0%)

Black (15%)



Cyan (16%)


Magenta (36%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9559, 0.3146, 0.2693 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 45.9559, 0.3146, 0.2693 by changing the saturation by 10% instead.


 45.9559, 0.3146,
0.2693

 45.9559, 0.3146,
0.2693


370.6313, 0.3142,
0.2978

 32.2110, 0.3145,
0.2626


 84.1530, 0.3146,
0.2793

 21.5227, 0.3144,
0.2542


 109.3740, 0.3145,
0.2832

 13.5066, 0.3140,
0.2435


139.1892, 0.3145,
0.2865

 7.7783, 0.3133,
0.2293

173.9829, 0.3144,
0.2893

 3.9534, 0.3118,
0.2095

214.1396, 0.3144,
0.2918

 1.6476, 0.3083,
0.1805

260.0436, 0.3143,

 0.3893, 0.3068,

0.2941

0.1131

312.0794, 0.3143,
0.2960

0.0000, 0.0000,
0.0000

45.9559, 0.3146,
0.2693

45.9559, 0.3146,
0.2693

38.8057, 0.3153,
0.2446

54.4233, 0.3138,
0.2944

32.9004, 0.3159,
0.2212

64.2634, 0.3130,
0.3192

28.1698, 0.3163,
0.2002

75.5361, 0.3122,
0.3430

24.5346, 0.3165,
0.1823

88.2957, 0.3114,
0.3655

21.9054, 0.3166,
0.1683

91.2483, 0.3115,
0.3700

■ 20.1789, 0.3164,
0.1587

■ 91.3145, 0.3117,
0.3700

■ 19.2298, 0.3161,
0.1532

■ 91.3810, 0.3120,
0.3700

■ 18.9085, 0.3159,
0.1514

■ 91.4476, 0.3123,
0.3699

■ 91.5144, 0.3125,
0.3699

Harmonies

Analogous

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



45.9559, 0.2701, 0.2549



45.9559, 0.3146, 0.2693



45.9559, 0.3618, 0.2969

Triad

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



45.9559, 0.3146, 0.2693



45.9559, 0.3892, 0.4006



45.9559, 0.2352, 0.3162

Complementary

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



45.9559, 0.3146, 0.2693



59.7996, 0.3103, 0.3966

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.



45.9559, 0.2631, 0.3629



45.9559, 0.3146, 0.2693



45.9559, 0.3516, 0.4141

Square

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



45.9559, 0.3146, 0.2693



45.9559, 0.4064, 0.3699



45.9559, 0.3054, 0.4009



45.9559, 0.2270, 0.2781

Rectangle

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



45.9559, 0.3146, 0.2693



45.9559, 0.3873, 0.3202



45.9559, 0.3054, 0.4009



45.9559, 0.2424, 0.3315

Sweetspot

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



45.9579, 0.3146, 0.2693



89.0677, 0.3133, 0.3118



40.0356, 0.2720, 0.2636



18.8728, 0.3133, 0.3103



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.



45.9579, 0.3146, 0.2693



61.2690, 0.3150, 0.2563



44.9521, 0.3367, 0.2962



12.6195, 0.3135, 0.3060



11.1977, 0.3160, 0.1514



0.6795, 0.3169, 0.1519

Inverse Universe

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



43.8764, 0.3617, 0.3279



57.7273, 0.3761, 0.3276



60.6504, 0.2942, 0.3643



12.4248, 0.3288, 0.3286



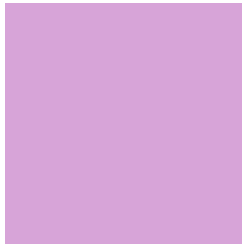
8.6486, 0.6378, 0.3287



0.5231, 0.6305, 0.3247

Previews

White Background



This preview shows how the Yxy color 45.9559, 0.3146, 0.2693 looks on a white background.

Color Contrast Check

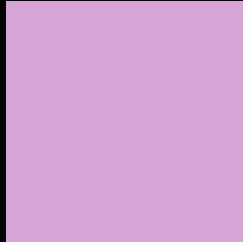
Large Text (above 18pt) WCAG AA × Fail

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 45.9559, 0.3146, 0.2693 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 45.9559, 0.3146, 0.2693

Background



This preview shows how black text looks on a background with the Yxy color 45.9559, 0.3146, 0.2693.



This preview shows how white text looks on a background with the Yxy color 45.9559, 0.3146, 0.2693.

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

45.9559, 0.3146, 0.2693

Protanopia

46.1662, 0.2705, 0.2703

Deuteranopia

46.2444, 0.2885, 0.2829



Tritanopia

45.8700, 0.3381, 0.3133

Trichromacy



Original Color

45.9559, 0.3146, 0.2693

Protanomaly

45.9851, 0.2857, 0.2705

Deuteranomaly

45.8807, 0.2973, 0.2769

Tritanomaly

45.9424, 0.3296, 0.2969

Monochromacy



Original Color

45.9559, 0.3146, 0.2693

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.1656, 0.3138, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9559, 0.3146, 0.2693 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(215, 164, 216)` looks like.

```
.text, #text, p{  
    color:rgb(215, 164, 216)  
}
```

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(215, 164, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 164, 216) }
```

Border

The CSS property to change the border of an element to Yxy 45.9559, 0.3146, 0.2693 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(215, 164, 216) }
```

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

```
.border{ border-color:rgb(215, 164, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 164, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 164, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 164, 216);  
box-shadow:4px 4px 4px 4px rgb(215, 164,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9559, 0.3146, 0.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 164, 216) }
```

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

```
.background{ background-color: rgb(215,  
164, 216) }
```

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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