

Converting Colors

$Y_{xy}(48.9089, 0.3215, 0.2661)$

Have a look what the booklet for
Yxy(48.9089, 0.3215, 0.2661)
contains.

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Color

Yxy(48.8960, 0.3209, 0.2656)

Conversions

Conversions Part 1

Format	Color
Hex	E5A5DF
RGB	229, 165, 223
RGB Percent	90%, 65%, 87%
CMY	0.1021, 0.3528, 0.1256
CMYK	0.00, 0.28, 0.03, 0.10
HSL	306°, 55%, 77%
HSV	306°, 28%, 90%
XYZ	59.0765, 48.8960, 76.1239
YIQ	190.7480, 19.5260, 31.6060

Conversions

Conversions Part 2

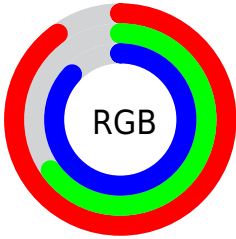
Format	Color
R _Y B	229, 165, 223
Decimal	15050207
CIE Lab	75.39, 32.80, -19.94
CIE LCh	75, 38.386, 328.696
Yxy	48.8960, 0.3209, 0.2656
Android (android.graphics.Color)	4293240287 (0xFFE5A5DF)
YUV	190.7480, 15.9002, 33.5470
Hunter-Lab	69.9257, 28.4353, -15.5975

Details

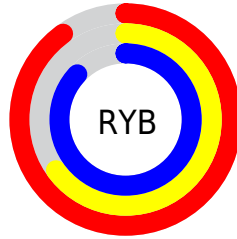
The Yxy color **48.8960, 0.3209, 0.2656** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **66.9606, 0.3054, 0.4019**, and the grayscale version is **51.8450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1929, 0.3143, 0.2960**, and **23.2997, 0.3224, 0.2496** is the 20% darker color. If you saturate the color by 10%, you get **41.2484, 0.3244, 0.2432**, and if you desaturate by 10%, it is **58.0280, 0.3177, 0.2886**.

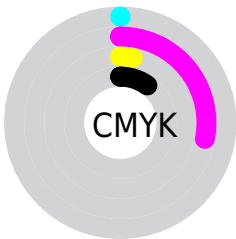
Distribution



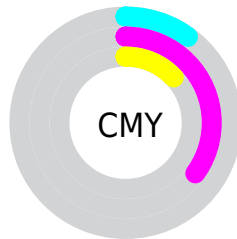
- Red (90%)
- Green (65%)
- Blue (87%)



- Red (90%)
- Yellow (65%)
- Blue (87%)



- Cyan (0%)
- Magenta (28%)
- Yellow (3%)
- Black (10%)




- Cyan (10%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8960, 0.3209, 0.2656 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 48.8960, 0.3209, 0.2656 by changing the saturation by 10% instead.

 48.8960, 0.3209,
0.2656

 48.8960, 0.3209,
0.2656


382.3328, 0.3175,
0.2953

 34.5370, 0.3215,
0.2587


 88.5370, 0.3198,
0.2760

 23.3064, 0.3223,
0.2502


 114.5877, 0.3194,
0.2800

 14.8199, 0.3231,
0.2394


145.3045, 0.3190,
0.2835

 8.6931, 0.3239,
0.2252

181.0717, 0.3186,
0.2865

 4.5416, 0.3246,
0.2059

222.2738, 0.3183,
0.2891

 1.9809, 0.3247,
0.1781

269.2950, 0.3180,

 0.5963, 0.3243,

0.2914

0.1303

322.5199, 0.3178,
0.2935

0.0000, 0.2733,
0.0000

0.0000, 0.0000,
0.0000

48.8960, 0.3209,
0.2656

48.8960, 0.3209,
0.2656

41.2484, 0.3244,
0.2432

58.0280, 0.3177,
0.2886

34.9998, 0.3280,
0.2222

68.7108, 0.3148,
0.3114

30.0661, 0.3318,
0.2037

81.0149, 0.3122,
0.3335

26.3515, 0.3356,
0.1885

93.9725, 0.3100,
0.3528

23.7474, 0.3392,
0.1775

94.0946, 0.3088,
0.3506

22.1257, 0.3426,
0.1709

94.2182, 0.3076,
0.3484

21.3089, 0.3457,
0.1684

94.3433, 0.3064,
0.3462

21.1839, 0.3463,
0.1681

94.4699, 0.3052,
0.3440

94.5981, 0.3040,
0.3418

Harmonies

Analogous

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



48.8960, 0.2701, 0.2477



48.8960, 0.3209, 0.2656



48.8960, 0.3735, 0.2973

Triad

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



48.8960, 0.3209, 0.2656



48.8960, 0.3941, 0.4118



48.8960, 0.2241, 0.3082

Complementary

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



48.8960, 0.3209, 0.2656



66.9606, 0.3054, 0.4019

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.



48.8960, 0.2523, 0.3611



48.8960, 0.3209, 0.2656



48.8960, 0.3499, 0.4251

Square

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



48.8960, 0.3209, 0.2656



48.8960, 0.4171, 0.3784



48.8960, 0.2979, 0.4069



48.8960, 0.2178, 0.2679

Rectangle

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



48.8960, 0.3209, 0.2656



48.8960, 0.4006, 0.3234



48.8960, 0.2979, 0.4069



48.8960, 0.2311, 0.3252

Sweetspot

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



48.8982, 0.3209, 0.2656



87.5456, 0.3148, 0.3112



41.1600, 0.2680, 0.2493



18.2694, 0.3152, 0.3077



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.



48.8982, 0.3209, 0.2656



56.0849, 0.3231, 0.2514



47.3623, 0.3485, 0.2988



14.5908, 0.3152, 0.3080



12.1260, 0.3459, 0.1679



0.9029, 0.3418, 0.1657

Inverse Universe

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



48.8982, 0.3209, 0.2656



56.0849, 0.3231, 0.2514



68.2997, 0.2870, 0.3615



14.5908, 0.3152, 0.3080



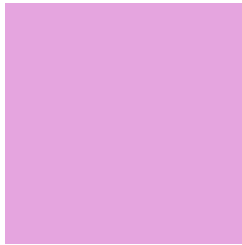
12.1260, 0.3459, 0.1679



0.9029, 0.3418, 0.1657

Previews

White Background



This preview shows how the Yxy color 48.8960, 0.3209, 0.2656 looks on a white background.

Color Contrast Check

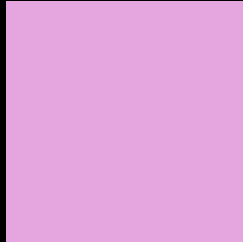
Large Text (above 18pt) WCAG AA × Fail

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 48.8960, 0.3209, 0.2656 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 48.8960, 0.3209, 0.2656

Background



This preview shows how black text looks on a background with the Yxy color 48.8960, 0.3209, 0.2656.



This preview shows how white text looks on a background with the Yxy color 48.8960, 0.3209, 0.2656.

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

48.8960, 0.3209, 0.2656

Protanopia

49.2213, 0.2677, 0.2661

Deuteranopia

49.3146, 0.2891, 0.2830



Tritanopia

48.8551, 0.3487, 0.3140

Trichromacy



Original Color

48.8960, 0.3209, 0.2656



Protanomaly

48.5513, 0.2850, 0.2654



Deuteranomaly

48.9676, 0.3002, 0.2763



Tritanomaly

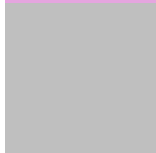
48.6682, 0.3385, 0.2949

Monochromacy



Original Color

48.8960, 0.3209, 0.2656



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.7468, 0.3156, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8960, 0.3209, 0.2656 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(229, 165, 223)` looks like.

```
.text, #text, p{  
    color:rgb(229, 165, 223)  
}
```

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(229, 165, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 165, 223) }
```

Border

The CSS property to change the border of an element to Yxy 48.8960, 0.3209, 0.2656 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(229, 165, 223) }
```

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

```
.border{ border-color:rgb(229, 165, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 165, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 165, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 165, 223);  
box-shadow:4px 4px 4px 4px rgb(229, 165,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8960, 0.3209, 0.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 165, 223) }
```

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

```
.background{ background-color: rgb(229,  
165, 223) }
```

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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