

Converting Colors

$Yxy(47.3907, 0.3160, 0.2580)$

Have a look what the booklet for
Yxy(47.3907, 0.3160, 0.2580)
contains.

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Color

Yxy(47.5004, 0.3160, 0.2588)

Conversions

Conversions Part 1

Format	Color
Hex	E2A2E2
RGB	226, 162, 226
RGB Percent	89%, 64%, 89%
CMY	0.1139, 0.3646, 0.1138
CMYK	0.00, 0.28, 0.00, 0.11
HSL	300°, 52%, 76%
HSV	300°, 28%, 89%
XYZ	57.9989, 47.5004, 78.0416
YIQ	188.4320, 17.6000, 33.4720

Conversions

Conversions Part 2

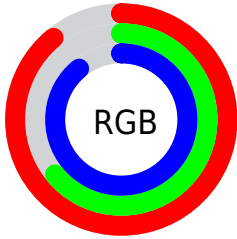
Format	Color
R _Y B	226, 162, 226
Decimal	14852834
CIE Lab	74.51, 33.97, -22.94
CIE LCh	75, 40.990, 325.975
Yxy	47.5004, 0.3160, 0.2588
Android (android.graphics.Color)	4293042914 (0xFFE2A2E2)
YUV	188.4320, 18.5210, 32.9471
Hunter-Lab	68.9205, 29.6028, -18.8922

Details

The Yxy color **47.5004, 0.3160, 0.2588** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **64.6722, 0.3089, 0.4109**, and the grayscale version is **50.4332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **22.4236, 0.3157, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **40.2416, 0.3171, 0.2347**, and if you desaturate by 10%, it is **56.1939, 0.3148, 0.2838**.

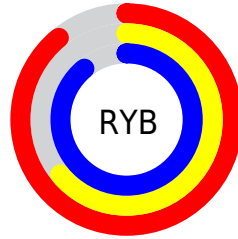
Distribution



Red (89%)

Green (64%)

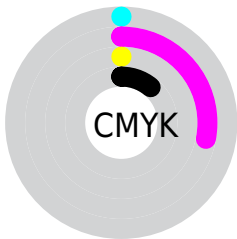
Blue (89%)



Red (89%)

Yellow (64%)

Blue (89%)

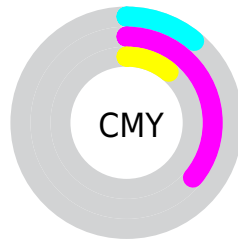


Cyan (0%)

Magenta (28%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (36%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5004, 0.3160, 0.2588 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 47.5004, 0.3160, 0.2588 by changing the saturation by 10% instead.

 47.5004, 0.3160,
0.2588


 47.5004, 0.3160,
0.2588


376.8084, 0.3152,
0.2917

 33.4314, 0.3160,
0.2512


 86.4601, 0.3159,
0.2703

 22.4571, 0.3159,
0.2418


 112.1196, 0.3158,
0.2747

 14.1932, 0.3156,
0.2299


142.4113, 0.3157,
0.2785

 8.2552, 0.3148,
0.2144

177.7198, 0.3156,
0.2819

 4.2586, 0.3132,
0.1933

218.4294, 0.3155,
0.2848

 1.8193, 0.3095,
0.1634

264.9244, 0.3154,

 0.4991, 0.3036,

0.2873

0.1088

317.5893, 0.3153,
0.2896

0.0000, 0.2108,
0.0000

0.0000, 0.0000,
0.0000

47.5004, 0.3160,
0.2588

47.5004, 0.3160,
0.2588

40.2416, 0.3171,
0.2347

56.1939, 0.3148,
0.2838

34.3345, 0.3182,
0.2125

66.3867, 0.3137,
0.3087

29.6975, 0.3191,
0.1930

78.1471, 0.3125,
0.3331

26.2376, 0.3198,
0.1772

91.5373, 0.3114,
0.3563

■ 23.8489, 0.3204,
0.1655

■ 93.1748, 0.3113,
0.3588

■ 22.4067, 0.3207,
0.1581

■ 93.1754, 0.3113,
0.3588

■ 21.7309, 0.3209,
0.1546

■ 93.1761, 0.3113,
0.3588

■ 21.6473, 0.3209,
0.1541

■ 93.1767, 0.3113,
0.3588

■ 93.1773, 0.3113,
0.3588

Harmonies

Analogous

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



47.5004, 0.2625, 0.2413



47.5004, 0.3160, 0.2588



47.5004, 0.3735, 0.2914

Triad

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



47.5004, 0.3160, 0.2588



47.5004, 0.4033, 0.4151



47.5004, 0.2195, 0.3110

Complementary

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



47.5004, 0.3160, 0.2588



64.6722, 0.3089, 0.4109

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.



47.5004, 0.2515, 0.3688



47.5004, 0.3160, 0.2588



47.5004, 0.3572, 0.4328

Square

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



47.5004, 0.3160, 0.2588



47.5004, 0.4258, 0.3774



47.5004, 0.3014, 0.4168



47.5004, 0.2109, 0.2661

Rectangle

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



47.5004, 0.3160, 0.2588



47.5004, 0.4043, 0.3187



47.5004, 0.3014, 0.4168



47.5004, 0.2277, 0.3297

Sweetspot

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



47.5025, 0.3160, 0.2588



87.6672, 0.3136, 0.3093



39.4017, 0.2634, 0.2486



18.3003, 0.3138, 0.3056



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.



47.5025, 0.3160, 0.2588



56.5934, 0.3167, 0.2444



45.9579, 0.3431, 0.2913



13.9355, 0.3138, 0.3059



12.3534, 0.3209, 0.1541



0.8563, 0.3209, 0.1541

Inverse Universe

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



44.6249, 0.3748, 0.3292



52.2151, 0.3934, 0.3292



65.9087, 0.2905, 0.3702



13.7006, 0.3292, 0.3290



9.2243, 0.6401, 0.3300



0.6394, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 47.5004, 0.3160, 0.2588 looks on a white background.

Color Contrast Check

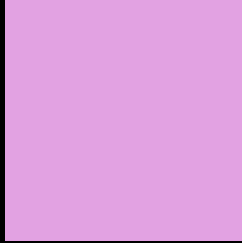
Large Text (above 18pt) WCAG AA × Fail

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 47.5004, 0.3160, 0.2588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

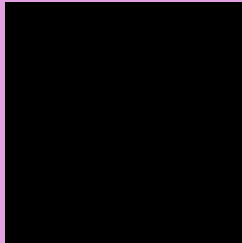
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5004, 0.3160, 0.2588

Background



This preview shows how black text looks on a background with the Yxy color 47.5004, 0.3160, 0.2588.



This preview shows how white text looks on a background with the Yxy color 47.5004, 0.3160, 0.2588.

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

47.5004, 0.3160, 0.2588

Protanopia

47.6638, 0.2614, 0.2574

Deuteranopia

47.9153, 0.2823, 0.2764



Tritanopia

47.3840, 0.3473, 0.3138

Trichromacy



Original Color

47.5004, 0.3160, 0.2588



Protanomaly

47.0891, 0.2790, 0.2570



Deuteranomaly

47.2747, 0.2939, 0.2688



Tritanomaly

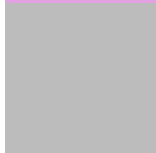
47.2905, 0.3352, 0.2922

Monochromacy



Original Color

47.5004, 0.3160, 0.2588



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

49.0610, 0.3140, 0.3013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5004, 0.3160, 0.2588 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(226, 162, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 162, 226)  
}
```

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(226, 162, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 162, 226) }
```

Border

The CSS property to change the border of an element to Yxy 47.5004, 0.3160, 0.2588 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(226, 162, 226) }
```

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

```
.border{ border-color:rgb(226, 162, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 162, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 162, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 162, 226);  
box-shadow:4px 4px 4px 4px rgb(226, 162,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5004, 0.3160, 0.2588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 162, 226) }
```

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

```
.background{ background-color: rgb(226,  
162, 226) }
```

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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