

Converting Colors

$Yxy(45.5106, 0.3393, 0.2756)$

Have a look what the booklet for
Yxy(45.5106, 0.3393, 0.2756)
contains.

Yxy(45.5106, 0.3393, 0.2756)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.5106, 0.3393, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	E79DCD
RGB	231, 157, 205
RGB Percent	91%, 62%, 80%
CMY	0.0942, 0.3843, 0.1961
CMYK	0.00, 0.32, 0.11, 0.09
HSL	321°, 61%, 76%
HSV	321°, 32%, 91%
XYZ	56.0296, 45.5106, 63.5926
YIQ	184.5980, 28.6960, 30.6160

Conversions

Conversions Part 2

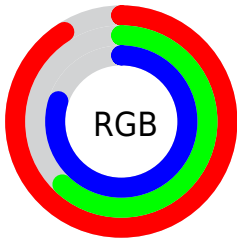
Format	Color
R _{YB}	231, 157, 205
Decimal	15179213
CIE Lab	73.23, 34.64, -13.34
CIE LCh	73, 37.121, 338.941
Yxy	45.5106, 0.3393, 0.2756
Android (android.graphics.Color)	4293369293 (0xFFE79DCD)
YUV	184.5980, 10.0582, 40.6946
Hunter-Lab	67.4615, 30.1938, -8.6667

Details

The Yxy color $45.5106, 0.3393, 0.2756$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $67.7345, 0.2934, 0.3894$, and the grayscale version is $48.2134, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5670, 0.3147, 0.2871$, and $21.1337, 0.3455, 0.2609$ is the 20% darker color. If you saturate the color by 10%, you get $38.0392, 0.3507, 0.2588$, and if you desaturate by 10%, it is $54.4840, 0.3295, 0.2927$.

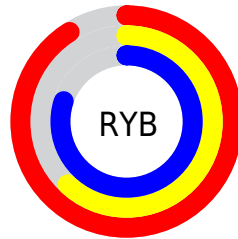
Distribution



Red (91%)

Green (62%)

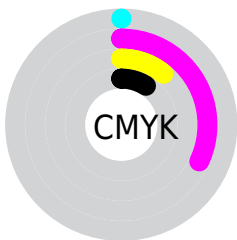
Blue (80%)



Red (91%)

Yellow (62%)

Blue (80%)

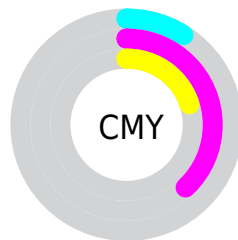


Cyan (0%)

Magenta (32%)

Yellow (11%)

Black (9%)



Cyan (9%)


Magenta (38%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5106, 0.3393, 0.2756 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 45.5106, 0.3393, 0.2756 by changing the saturation by 10% instead.


 45.5106, 0.3393,
0.2756


 45.5106, 0.3393,
0.2756


368.8376, 0.3265,
0.3012

 31.8598, 0.3423,
0.2695


 83.4861, 0.3348,
0.2847

 21.2544, 0.3461,
0.2619


 108.5796, 0.3330,
0.2881

 13.3101, 0.3511,
0.2521


138.2561, 0.3316,
0.2911

 7.6424, 0.3577,
0.2391

172.9000, 0.3303,
0.2937

 3.8670, 0.3669,
0.2207

212.8957, 0.3292,
0.2959

 1.5995, 0.3808,
0.1933

258.6276, 0.3282,

 0.3572, 0.4171,

0.2979

0.1207

310.4801, 0.3273,
0.2996

0.0000, 0.5339,
0.0000

0.0000, 0.0000,
0.0000

45.5106, 0.3393,
0.2756

45.5106, 0.3393,
0.2756

38.0392, 0.3507,
0.2588

54.4840, 0.3295,
0.2927

31.9798, 0.3635,
0.2433

65.0303, 0.3211,
0.3096

27.2423, 0.3777,
0.2301

77.2236, 0.3140,
0.3258

23.7237, 0.3929,
0.2203

91.1312, 0.3081,
0.3411

■ 21.3054, 0.4086,
0.2149

■ 95.1350, 0.3034,
0.3384

■ 19.8451, 0.4242,
0.2147

■ 95.6430, 0.2989,
0.3303

■ 19.1850, 0.4364,
0.2178

■ 95.7274, 0.2981,
0.3290

Harmonies

Analogous

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



45.5106, 0.2865, 0.2526



45.5106, 0.3393, 0.2756



45.5106, 0.3879, 0.3106

Triad

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



45.5106, 0.3393, 0.2756



45.5106, 0.3802, 0.4185



45.5106, 0.2202, 0.2928

Complementary

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



45.5106, 0.3393, 0.2756



67.7345, 0.2934, 0.3894

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.



45.5106, 0.2410, 0.3425



45.5106, 0.3393, 0.2756



45.5106, 0.3322, 0.4217

Square

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



45.5106, 0.3393, 0.2756



45.5106, 0.4114, 0.3907



45.5106, 0.2813, 0.3928



45.5106, 0.2216, 0.2592

Rectangle

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



45.5106, 0.3393, 0.2756



45.5106, 0.4092, 0.3376



45.5106, 0.2813, 0.3928



45.5106, 0.2247, 0.3081

Sweetspot

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



45.5127, 0.3393, 0.2756



84.2322, 0.3196, 0.3129



39.9415, 0.2757, 0.2394



17.5913, 0.3207, 0.3105



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.



45.5127, 0.3393, 0.2756



50.9665, 0.3461, 0.2652



43.9357, 0.3751, 0.3164



14.5247, 0.3191, 0.3139



10.7807, 0.4340, 0.2165



0.8141, 0.4132, 0.2050

Inverse Universe

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



45.5127, 0.3393, 0.2756



50.9665, 0.3461, 0.2652



69.4775, 0.2728, 0.3423



14.5247, 0.3191, 0.3139



10.7807, 0.4340, 0.2165



0.8141, 0.4132, 0.2050

Previews

White Background



This preview shows how the Yxy color 45.5106, 0.3393, 0.2756 looks on a white background.

Color Contrast Check

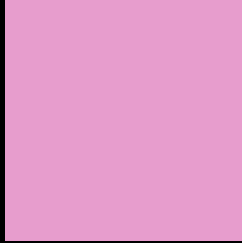
Large Text (above 18pt) WCAG AA × Fail

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 45.5106, 0.3393, 0.2756 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 45.5106, 0.3393, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 45.5106, 0.3393, 0.2756.



This preview shows how white text looks on a background with the Yxy color 45.5106, 0.3393, 0.2756.

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

45.5106, 0.3393, 0.2756

Protanopia

46.0126, 0.2766, 0.2785

Deuteranopia

45.6156, 0.3023, 0.2951



Tritanopia

45.6204, 0.3628, 0.3152

Trichromacy



Original Color

45.5106, 0.3393, 0.2756



Protanomaly

45.3183, 0.2973, 0.2767



Deuteranomaly

45.1544, 0.3156, 0.2868



Tritanomaly

45.5289, 0.3537, 0.3004

Monochromacy



Original Color

45.5106, 0.3393, 0.2756



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

47.0223, 0.3225, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5106, 0.3393, 0.2756 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(231, 157, 205)` looks like.

```
.text, #text, p{  
    color:rgb(231, 157, 205)  
}
```

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(231, 157, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 157, 205) }
```

Border

The CSS property to change the border of an element to Yxy 45.5106, 0.3393, 0.2756 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(231, 157, 205) }
```

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

```
.border{ border-color:rgb(231, 157, 205) }
```

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

Here you see how a box with a 4 pixel rgb(231, 157, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 157, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 157, 205);  
box-shadow:4px 4px 4px 4px rgb(231, 157,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5106, 0.3393, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 157, 205) }
```

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

```
.background{ background-color: rgb(231,  
157, 205) }
```

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