

Converting Colors

$Y_{xy}(48.2133, 0.3356, 0.2831)$

Have a look what the booklet for
Yxy(48.2133, 0.3356, 0.2831)
contains.

Yxy(48.0245, 0.3356, 0.2832)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.0245, 0.3356, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	E5A5CE
RGB	229, 165, 206
RGB Percent	90%, 65%, 81%
CMY	0.1019, 0.3529, 0.1923
CMYK	0.00, 0.28, 0.10, 0.10
HSL	322°, 55%, 77%
HSV	322°, 28%, 90%
XYZ	56.9104, 48.0245, 64.6431
YIQ	188.8100, 24.9830, 26.3190

Conversions

Conversions Part 2

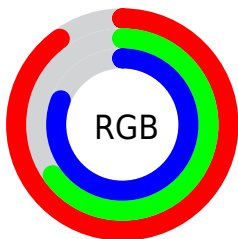
Format	Color
R _Y B	229, 165, 206
Decimal	15050190
CIE Lab	74.84, 29.87, -11.47
CIE LCh	75, 32.000, 338.991
Yxy	48.0245, 0.3356, 0.2832
Android (android.graphics.Color)	4293240270 (0xFFE5A5CE)
YUV	188.8100, 8.4747, 35.2466
Hunter-Lab	69.2997, 25.3135, -6.7962

Details

The Yxy color **48.0245, 0.3356, 0.2832** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **67.6823, 0.2953, 0.3798**, and the grayscale version is **50.7158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1929, 0.3143, 0.2960**, and **22.7396, 0.3415, 0.2707** is the 20% darker color. If you saturate the color by 10%, you get **40.1013, 0.3466, 0.2664**, and if you desaturate by 10%, it is **57.4523, 0.3262, 0.3001**.

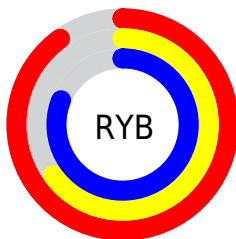
Distribution



Red (90%)

Green (65%)

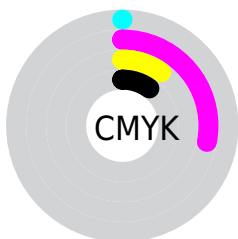
Blue (81%)



Red (90%)

Yellow (65%)

Blue (81%)

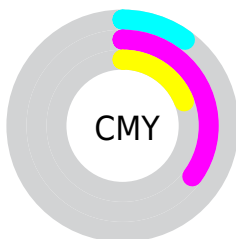


Cyan (0%)

Magenta (28%)

Yellow (10%)

Black (10%)



Cyan (10%)


Magenta (35%)

Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0245, 0.3356, 0.2832 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 48.0245, 0.3356, 0.2832 by changing the saturation by 10% instead.


 48.0245, 0.3356,
0.2832

 48.0245, 0.3356,
0.2832

378.8892, 0.3246,
0.3051

 33.8463, 0.3382,
0.2780

 87.2409, 0.3317,
0.2909

 22.7755, 0.3415,
0.2715


 113.0478, 0.3302,
0.2939

 14.4279, 0.3457,
0.2631


143.4998, 0.3290,
0.2965

 8.4188, 0.3513,
0.2519

178.9813, 0.3279,
0.2987

 4.3641, 0.3593,
0.2362

219.8765, 0.3269,
0.3006

 1.8793, 0.3713,
0.2126

266.5700, 0.3261,

 0.5359, 0.3964,

0.3023

0.1629

319.4461, 0.3253,
0.3038

0.0000, 0.5085,
0.0000

0.0000, 0.0000,
0.0000

48.0245, 0.3356,
0.2832

48.0245, 0.3356,
0.2832

40.1013, 0.3466,
0.2664

57.4523, 0.3262,
0.3001

33.5968, 0.3592,
0.2505

68.4517, 0.3182,
0.3165

28.4267, 0.3732,
0.2363

81.0932, 0.3114,
0.3321

24.4948, 0.3885,
0.2252

94.4106, 0.3059,
0.3452

■ 21.6919, 0.4046,
0.2181

■ 94.9091, 0.3013,
0.3368

■ 19.8896, 0.4208,
0.2159

■ 95.4013, 0.2970,
0.3290

■ 18.9091, 0.4366,
0.2188

■ 18.7542, 0.4399,
0.2197

Harmonies

Analogous

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



48.0245, 0.2908, 0.2632



48.0245, 0.3356, 0.2832



48.0245, 0.3764, 0.3137

Triad

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



48.0245, 0.3356, 0.2832



48.0245, 0.3705, 0.4051



48.0245, 0.2333, 0.2989

Complementary

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



48.0245, 0.3356, 0.2832



67.6823, 0.2953, 0.3798

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.



48.0245, 0.2516, 0.3407



48.0245, 0.3356, 0.2832



48.0245, 0.3299, 0.4066

Square

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



48.0245, 0.3356, 0.2832



48.0245, 0.3966, 0.3826



48.0245, 0.2864, 0.3823



48.0245, 0.2345, 0.2697

Rectangle

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



48.0245, 0.3356, 0.2832



48.0245, 0.3943, 0.3372



48.0245, 0.2864, 0.3823



48.0245, 0.2373, 0.3119

Sweetspot

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



48.0267, 0.3356, 0.2832



87.2038, 0.3182, 0.3163



43.1851, 0.2813, 0.2521



18.1828, 0.3194, 0.3139



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.



48.0267, 0.3356, 0.2832



54.7463, 0.3423, 0.2727



46.6515, 0.3646, 0.3181



14.5225, 0.3193, 0.3141



10.7444, 0.4375, 0.2184



0.8116, 0.4160, 0.2066

Inverse Universe

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



48.0267, 0.3356, 0.2832



54.7463, 0.3423, 0.2727



69.1857, 0.2774, 0.3404



14.5225, 0.3193, 0.3141



10.7444, 0.4375, 0.2184



0.8116, 0.4160, 0.2066

Previews

White Background



This preview shows how the Yxy color 48.0245, 0.3356, 0.2832 looks on a white background.

Color Contrast Check

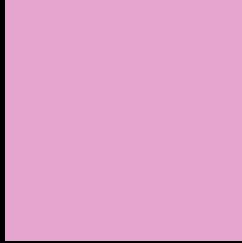
Large Text (above 18pt) WCAG AA × Fail

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 48.0245, 0.3356, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

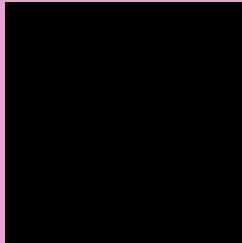
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0245, 0.3356, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 48.0245, 0.3356, 0.2832.



This preview shows how white text looks on a background with the Yxy color 48.0245, 0.3356, 0.2832.

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

48.0245, 0.3356, 0.2832

Protanopia

48.3939, 0.2829, 0.2855

Deuteranopia

48.0213, 0.3065, 0.2995



Tritanopia

47.9221, 0.3539, 0.3141

Trichromacy



Original Color

48.0245, 0.3356, 0.2832



Protanomaly

47.7760, 0.3006, 0.2833



Deuteranomaly

47.8971, 0.3170, 0.2933



Tritanomaly

48.0977, 0.3468, 0.3028

Monochromacy



Original Color

48.0245, 0.3356, 0.2832



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

49.4200, 0.3213, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0245, 0.3356, 0.2832 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(229, 165, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 165, 206) }
```

Border

The CSS property to change the border of an element to Yxy 48.0245, 0.3356, 0.2832 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, 206) }
```

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

```
.border{ border-color:rgb(229, 165, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 165, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 165, 206); box-shadow:4px 4px 4px 4px rgb(229, 165, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0245, 0.3356, 0.2832 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, 206) }
```

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

```
.background{ background-color: rgb(229,  
165, 206) }
```

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