

Converting Colors

$Y_{xy}(46.4778, 0.3239, 0.2528)$

Have a look what the booklet for
Yxy(46.4778, 0.3239, 0.2528)
contains.

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Color

Yxy(46.5958, 0.3243, 0.2531)

Conversions

Conversions Part 1

Format	Color
Hex	EB9BE2
RGB	235, 155, 226
RGB Percent	92%, 61%, 89%
CMY	0.0785, 0.3921, 0.1137
CMYK	0.00, 0.34, 0.04, 0.08
HSL	307°, 67%, 76%
HSV	307°, 34%, 92%
XYZ	59.7037, 46.5958, 77.8008
YIQ	187.0140, 24.8890, 39.0410

Conversions

Conversions Part 2

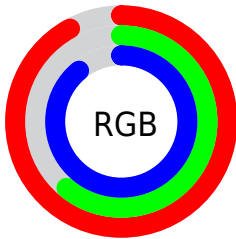
Format	Color
R _Y B	235, 155, 226
Decimal	15440866
CIE Lab	73.93, 40.58, -23.75
CIE LCh	74, 47.018, 329.662
Yxy	46.5958, 0.3243, 0.2531
Android (android.graphics.Color)	4293630946 (0xFFEB9BE2)
YUV	187.0140, 19.2201, 42.0837
Hunter-Lab	68.2611, 36.6659, -19.7932

Details

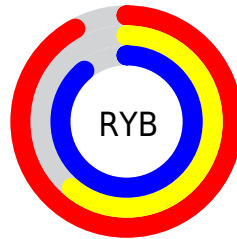
The Yxy color **46.5958, 0.3243, 0.2531** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **69.0530, 0.3029, 0.4190**, and the grayscale version is **49.5828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0685, 0.3147, 0.2861**, and **21.9080, 0.3257, 0.2343** is the 20% darker color. If you saturate the color by 10%, you get **39.3783, 0.3284, 0.2317**, and if you desaturate by 10%, it is **55.3414, 0.3205, 0.2755**.

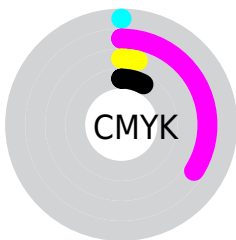
Distribution



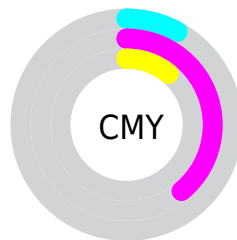
- Red (92%)
- Green (61%)
- Blue (89%)



- Red (92%)
- Yellow (61%)
- Blue (89%)



- Cyan (0%)
- Magenta (34%)
- Yellow (4%)
- Black (8%)




- Cyan (8%)
- Magenta (39%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5958, 0.3243, 0.2531 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 46.5958, 0.3243, 0.2531 by changing the saturation by 10% instead.


 46.5958, 0.3243,
0.2531


 46.5958, 0.3243,
0.2531


373.1988, 0.3196,
0.2885

 32.7162, 0.3252,
0.2450


 85.1100, 0.3228,
0.2654

 21.9092, 0.3262,
0.2350


 110.5134, 0.3222,
0.2702

 13.7902, 0.3274,
0.2223


140.5268, 0.3216,
0.2743

 7.9749, 0.3285,
0.2059

175.5347, 0.3211,
0.2779

 4.0789, 0.3296,
0.1837

215.9215, 0.3207,
0.2810

 1.7178, 0.3297,
0.1527

262.0715, 0.3202,

 0.4351, 0.3313,

0.2838

0.0937

314.3691, 0.3199,
0.2863

0.0000, 0.2748,
0.0000

0.0000, 0.0000,
0.0000

46.5958, 0.3243,
0.2531

46.5958, 0.3243,
0.2531

39.3783, 0.3284,
0.2317

55.3414, 0.3205,
0.2755

33.5941, 0.3328,
0.2124

65.6904, 0.3170,
0.2981

29.1474, 0.3372,
0.1961

77.7205, 0.3139,
0.3203

25.9283, 0.3416,
0.1836

91.5026, 0.3111,
0.3416

■ 23.8094, 0.3458,
0.1755

■ 95.4210, 0.3094,
0.3448

■ 22.6353, 0.3497,
0.1718

■ 95.5782, 0.3079,
0.3421

■ 22.2422, 0.3519,
0.1712

■ 95.7376, 0.3064,
0.3395

■ 95.8994, 0.3049,
0.3368

■ 96.0634, 0.3034,
0.3342

Harmonies

Analogous

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



46.5958, 0.2616, 0.2310



46.5958, 0.3243, 0.2531



46.5958, 0.3901, 0.2911

Triad

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



46.5958, 0.3243, 0.2531



46.5958, 0.4104, 0.4309



46.5958, 0.2039, 0.2997

Complementary

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



46.5958, 0.3243, 0.2531



69.0530, 0.3029, 0.4190

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.



46.5958, 0.2364, 0.3666



46.5958, 0.3243, 0.2531



46.5958, 0.3549, 0.4496

Square

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



46.5958, 0.3243, 0.2531



46.5958, 0.4413, 0.3885



46.5958, 0.2911, 0.4267



46.5958, 0.1979, 0.2517

Rectangle

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



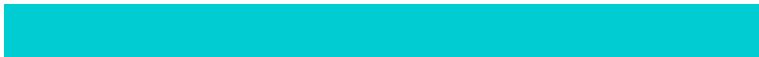
46.5958, 0.3243, 0.2531



46.5958, 0.4237, 0.3222



46.5958, 0.2911, 0.4267



46.5958, 0.2119, 0.3207

Sweetspot

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



46.5979, 0.3243, 0.2531



84.6128, 0.3157, 0.3071



37.2334, 0.2572, 0.2290



17.6838, 0.3161, 0.3039



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.



46.5979, 0.3243, 0.2531



49.7039, 0.3272, 0.2377



44.6946, 0.3606, 0.2933



15.2830, 0.3155, 0.3083



12.3937, 0.3513, 0.1709



0.9815, 0.3466, 0.1683

Inverse Universe

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



46.5979, 0.3243, 0.2531



49.7039, 0.3272, 0.2377



70.6844, 0.2813, 0.3682



15.2830, 0.3155, 0.3083



12.3937, 0.3513, 0.1709



0.9815, 0.3466, 0.1683

Previews

White Background



This preview shows how the Yxy color 46.5958, 0.3243, 0.2531 looks on a white background.

Color Contrast Check

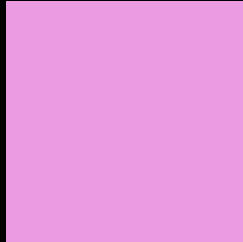
Large Text (above 18pt) WCAG AA × Fail

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 46.5958, 0.3243, 0.2531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

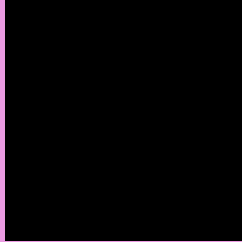
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5958, 0.3243, 0.2531

Background



This preview shows how black text looks on a background with the Yxy color 46.5958, 0.3243, 0.2531.



This preview shows how white text looks on a background with the Yxy color 46.5958, 0.3243, 0.2531.

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

46.5958, 0.3243, 0.2531

Protanopia

47.0667, 0.2562, 0.2515

Deuteranopia

46.8180, 0.2813, 0.2748



Tritanopia

46.7426, 0.3623, 0.3153

Trichromacy



Original Color

46.5958, 0.3243, 0.2531



Protanomaly

46.1874, 0.2782, 0.2515



Deuteranomaly

46.3565, 0.2962, 0.2665



Tritanomaly

46.4188, 0.3480, 0.2908

Monochromacy



Original Color

46.5958, 0.3243, 0.2531



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.7144, 0.3168, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5958, 0.3243, 0.2531 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(235, 155, 226)` looks like.

```
.text, #text, p{  
    color:rgb(235, 155, 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(235, 155, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 155, 226) }
```

Border

The CSS property to change the border of an element to Yxy 46.5958, 0.3243, 0.2531 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(235, 155, 226) }
```

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

```
.border{ border-color:rgb(235, 155, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 155, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 155, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 155, 226);  
box-shadow:4px 4px 4px 4px rgb(235, 155,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5958, 0.3243, 0.2531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 155, 226) }
```

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

```
.background{ background-color: rgb(235,  
155, 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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