

Converting Colors

$Y_{xy}(49.0158, 0.3305, 0.2544)$

Have a look what the booklet for
Yxy(49.0158, 0.3305, 0.2544)
contains.

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Color

Yxy(49.1836, 0.3304, 0.2544)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F59DE5 |
| RGB | 245, 157, 229 |
| RGB Percent | 96%, 62%, 90% |
| CMY | 0.0389, 0.3845, 0.1019 |
| CMYK | 0.00, 0.36, 0.07, 0.04 |
| HSL | 311°, 82%, 79% |
| HSV | 311°, 36%, 96% |
| XYZ | 63.8768, 49.1836, 80.2713 |
| YIQ | 191.5200, 29.3360, 41.0480 |

Conversions

Conversions Part 2

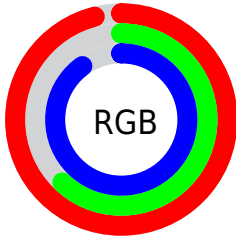
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 245, 157, 229 |
| Decimal | 16096741 |
| CIE Lab | 75.57, 43.29, -22.80 |
| CIE LCh | 76, 48.924, 332.219 |
| Yxy | 49.1836, 0.3304, 0.2544 |
| Android (android.graphics.Color) | 4294286821 (0xFFF59DE5) |
| YUV | 191.5200, 18.4776, 46.9020 |
| Hunter-Lab | 70.1310, 39.8523, -18.7711 |

Details

The Yxy color $49.1836, 0.3304, 0.2544$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $75.5307, 0.2991, 0.4175$, and the grayscale version is $52.2969, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.0685, 0.3146, 0.2881$, and $23.4826, 0.3339, 0.2377$ is the 20% darker color. If you saturate the color by 10%, you get $41.4645, 0.3367, 0.2346$, and if you desaturate by 10%, it is $58.5765, 0.3247, 0.2753$.

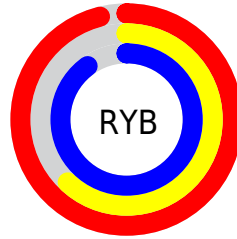
Distribution



Red (96%)

Green (62%)

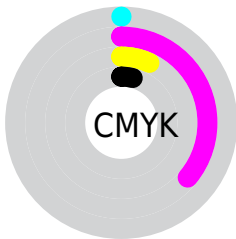
Blue (90%)



Red (96%)

Yellow (62%)

Blue (90%)

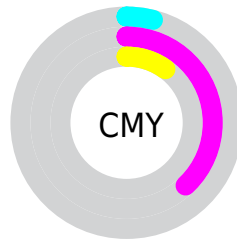


Cyan (0%)

Magenta (36%)

Yellow (7%)

Black (4%)



Cyan (4%)


Magenta (38%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1836, 0.3304, 0.2544 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 49.1836, 0.3304, 0.2544 by changing the saturation by 10% instead.


 49.1836, 0.3304,
0.2544


 49.1836, 0.3304,
0.2544


383.4647, 0.3227,
0.2889

 34.7651, 0.3320,
0.2466


 88.9641, 0.3278,
0.2663

 23.4820, 0.3339,
0.2370


 115.0949, 0.3268,
0.2710

 14.9498, 0.3363,
0.2248


145.8986, 0.3259,
0.2750

 8.7842, 0.3390,
0.2092

181.7596, 0.3251,
0.2785

 4.6007, 0.3424,
0.1882

223.0624, 0.3244,
0.2816

 2.0149, 0.3462,
0.1590

270.1912, 0.3238,

 0.6161, 0.3511,

0.2843

0.1125

323.5305, 0.3232,
0.2867

0.0000, 0.3570,
0.0000

0.0000, 0.0000,
0.0000

49.1836, 0.3304,
0.2544

49.1836, 0.3304,
0.2544

41.4645, 0.3367,
0.2346

58.5765, 0.3247,
0.2753

35.3124, 0.3435,
0.2167


69.7281, 0.3195,
0.2964


30.6187, 0.3506,
0.2020


82.7259, 0.3151,
0.3171


27.2583, 0.3578,
0.1912


97.6492, 0.3112,
0.3369

 25.0846, 0.3648,
0.1849

 97.9322, 0.3087,
0.3325

 23.9164, 0.3715,
0.1833

 98.1654, 0.3066,
0.3290

 23.6157, 0.3742,
0.1835

Harmonies

Analogous

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



49.1836, 0.2653, 0.2304



49.1836, 0.3304, 0.2544



49.1836, 0.3969, 0.2942

Triad

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



49.1836, 0.3304, 0.2544



49.1836, 0.4082, 0.4357



49.1836, 0.2002, 0.2937

Complementary

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



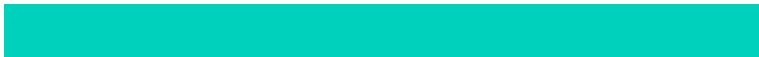
49.1836, 0.3304, 0.2544



75.5307, 0.2991, 0.4175

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.



49.1836, 0.2310, 0.3613



49.1836, 0.3304, 0.2544



49.1836, 0.3501, 0.4522

Square

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



49.1836, 0.3304, 0.2544



49.1836, 0.4427, 0.3935



49.1836, 0.2851, 0.4250



49.1836, 0.1964, 0.2471

Rectangle

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



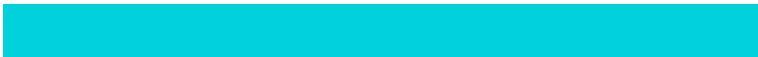
49.1836, 0.3304, 0.2544



49.1836, 0.4295, 0.3262



49.1836, 0.2851, 0.4250



49.1836, 0.2075, 0.3147

Sweetspot

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



49.1858, 0.3304, 0.2544



83.0661, 0.3173, 0.3067



39.4300, 0.2576, 0.2233



17.3705, 0.3179, 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.



49.1858, 0.3304, 0.2544



47.6176, 0.3349, 0.2401



47.0868, 0.3702, 0.2973



16.7135, 0.3166, 0.3099



12.7328, 0.3732, 0.1829



1.1323, 0.3654, 0.1787

Inverse Universe

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



49.1858, 0.3304, 0.2544



47.6176, 0.3349, 0.2401



77.4555, 0.2767, 0.3637



16.7135, 0.3166, 0.3099



12.7328, 0.3732, 0.1829



1.1323, 0.3654, 0.1787

Previews

White Background



This preview shows how the Yxy color 49.1836, 0.3304, 0.2544 looks on a white background.

Color Contrast Check

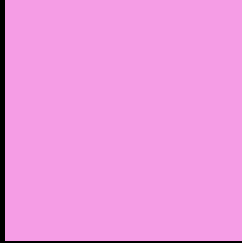
Large Text (above 18pt) WCAG AA × Fail

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 49.1836, 0.3304, 0.2544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

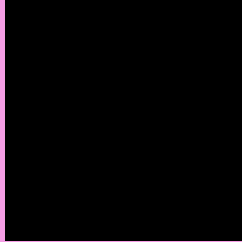
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1836, 0.3304, 0.2544

Background



This preview shows how black text looks on a background with the Yxy color 49.1836, 0.3304, 0.2544.



This preview shows how white text looks on a background with the Yxy color 49.1836, 0.3304, 0.2544.

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

49.1836, 0.3304, 0.2544

Protanopia

49.5555, 0.2573, 0.2520

Deuteranopia

49.2768, 0.2848, 0.2783



Tritanopia

49.2428, 0.3691, 0.3158

Trichromacy



Original Color

49.1836, 0.3304, 0.2544



Protanomaly

48.5532, 0.2804, 0.2512



Deuteranomaly

48.6435, 0.2997, 0.2680



Tritanomaly

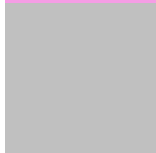
48.9264, 0.3549, 0.2921

Monochromacy



Original Color

49.1836, 0.3304, 0.2544



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

50.4969, 0.3192, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1836, 0.3304, 0.2544 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(245, 157, 229)` looks like.

```
.text, #text, p{  
    color:rgb(245, 157, 229)  
}
```

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(245, 157, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 157, 229) }
```

Border

The CSS property to change the border of an element to Yxy 49.1836, 0.3304, 0.2544 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(245, 157, 229) }
```

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

```
.border{ border-color:rgb(245, 157, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 157, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 157, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 157, 229);  
box-shadow:4px 4px 4px 4px rgb(245, 157,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1836, 0.3304, 0.2544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 157, 229) }
```

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

```
.background{ background-color: rgb(245,  
157, 229) }
```

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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