

Converting Colors

$Y_{xy}(45.9842, 0.3494, 0.2634)$

Have a look what the booklet for
Yxy(45.9842, 0.3494, 0.2634)
contains.

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Color

Yxy(45.9722, 0.3495, 0.2640)

Conversions

Conversions Part 1

Format	Color
Hex	F795D3
RGB	247, 149, 211
RGB Percent	97%, 58%, 83%
CMY	0.0314, 0.4156, 0.1725
CMYK	0.00, 0.40, 0.15, 0.03
HSL	322°, 86%, 78%
HSV	322°, 40%, 97%
XYZ	60.8609, 45.9722, 67.3040
YIQ	185.3700, 38.5060, 40.0580

Conversions

Conversions Part 2

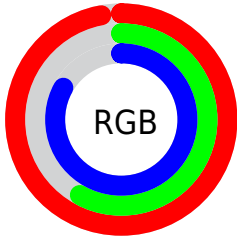
Format	Color
R _Y B	247, 149, 211
Decimal	16225747
CIE Lab	73.53, 45.07, -16.01
CIE LCh	74, 47.825, 340.441
Yxy	45.9722, 0.3495, 0.2640
Android (android.graphics.Color)	4294415827 (0xFFFF795D3)
YUV	185.3700, 12.6356, 54.0495
Hunter-Lab	67.8028, 41.5697, -11.3919

Details

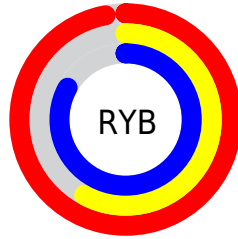
The Yxy color $45.9722, 0.3495, 0.2640$ is a light color, and the websafe version is hex `FF99CC`. A complement of this color would be $76.4061, 0.2885, 0.4052$, and the grayscale version is $48.6466, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.1426, 0.3150, 0.2801$, and $21.5849, 0.3594, 0.2489$ is the 20% darker color. If you saturate the color by 10%, you get $38.5275, 0.3627, 0.2484$, and if you desaturate by 10%, it is $55.1039, 0.3379, 0.2806$.

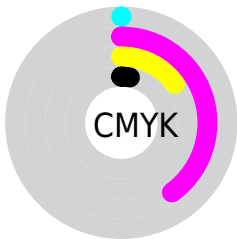
Distribution



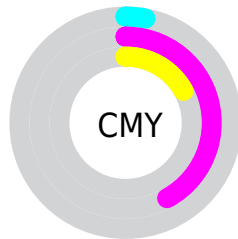
- Red (97%)
- Green (58%)
- Blue (83%)



- Red (97%)
- Yellow (58%)
- Blue (83%)



- Cyan (0%)
- Magenta (40%)
- Yellow (15%)
- Black (3%)



- Cyan (3%)
- Magenta (42%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9722, 0.3495, 0.2640 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 45.9722, 0.3495, 0.2640 by changing the saturation by 10% instead.


 45.9722, 0.3495,
0.2640


 45.9722, 0.3495,
0.2640


370.6969, 0.3320,
0.2947

 32.2239, 0.3536,
0.2569

 84.1774, 0.3433,
0.2748

 21.5326, 0.3588,
0.2480


 109.4031, 0.3409,
0.2789

 13.5138, 0.3654,
0.2366

139.2233, 0.3389,
0.2825

 7.7833, 0.3742,
0.2216

174.0225, 0.3371,
0.2856

 3.9566, 0.3865,
0.2011

214.1851, 0.3356,
0.2883

 1.6493, 0.4046,
0.1714

260.0954, 0.3342,

 0.3905, 0.4435,

0.2907

0.1055

312.1379, 0.3330,
0.2928

■ 0.0000, 0.5527,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9722, 0.3495,
0.2640

■ 45.9722, 0.3495,
0.2640

■ 38.5275, 0.3627,
0.2484

■ 55.1039, 0.3379,
0.2806

■ 32.6572, 0.3774,
0.2348

■ 66.0129, 0.3280,
0.2974

■ 28.2453, 0.3934,
0.2245

■ 78.7907, 0.3196,
0.3138

■ 25.1567, 0.4100,
0.2184

■ 93.5208, 0.3125,
0.3295

■ 23.2307, 0.4266,
0.2175

■ 98.5117, 0.3078,
0.3290

■ 22.2105, 0.4428,
0.2215

■ 22.1825, 0.4434,
0.2216

Harmonies

Analogous

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



45.9722, 0.2818, 0.2351



45.9722, 0.3495, 0.2640



45.9722, 0.4120, 0.3070

Triad

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



45.9722, 0.3495, 0.2640



45.9722, 0.3939, 0.4437



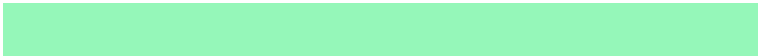
45.9722, 0.1966, 0.2784

Complementary

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



45.9722, 0.3495, 0.2640



76.4061, 0.2885, 0.4052

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.



45.9722, 0.2199, 0.3417



45.9722, 0.3495, 0.2640



45.9722, 0.3322, 0.4494

Square

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



45.9722, 0.3495, 0.2640



45.9722, 0.4364, 0.4065



45.9722, 0.2685, 0.4100



45.9722, 0.2000, 0.2389

Rectangle

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



45.9722, 0.3495, 0.2640



45.9722, 0.4382, 0.3400



45.9722, 0.2685, 0.4100



45.9722, 0.2013, 0.2973

Sweetspot

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



45.9743, 0.3495, 0.2640



81.3040, 0.3214, 0.3100



38.5195, 0.2656, 0.2152



17.0062, 0.3225, 0.3079



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.



45.9743, 0.3495, 0.2640



42.5820, 0.3605, 0.2508



43.8817, 0.3995, 0.3151



16.6590, 0.3194, 0.3141



11.7613, 0.4408, 0.2202



1.0535, 0.4217, 0.2097

Inverse Universe

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



45.9743, 0.3495, 0.2640



42.5820, 0.3605, 0.2508



78.8401, 0.2640, 0.3441



16.6590, 0.3194, 0.3141



11.7613, 0.4408, 0.2202



1.0535, 0.4217, 0.2097

Previews

White Background



This preview shows how the Yxy color 45.9722, 0.3495, 0.2640 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 45.9722, 0.3495, 0.2640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

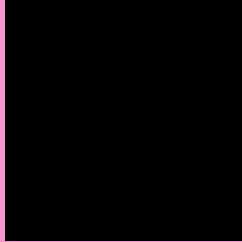
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9722, 0.3495, 0.2640

Background



This preview shows how black text looks on a background with the Yxy color 45.9722, 0.3495, 0.2640.



This preview shows how white text looks on a background with the Yxy color 45.9722, 0.3495, 0.2640.

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

45.9722, 0.3495, 0.2640

Protanopia

46.3912, 0.2660, 0.2635

Deuteranopia

46.0717, 0.2984, 0.2915



Tritanopia

45.8558, 0.3847, 0.3159

Trichromacy



Original Color

45.9722, 0.3495, 0.2640



Protanomaly

45.2574, 0.2929, 0.2626



Deuteranomaly

45.3818, 0.3159, 0.2794



Tritanomaly

45.8050, 0.3723, 0.2965

Monochromacy



Original Color

45.9722, 0.3495, 0.2640



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.8100, 0.3264, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9722, 0.3495, 0.2640 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(247, 149, 211)` looks like.

```
.text, #text, p{  
    color:rgb(247, 149, 211)  
}
```

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(247, 149, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 149, 211) }
```

Border

The CSS property to change the border of an element to Yxy 45.9722, 0.3495, 0.2640 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(247, 149, 211) }
```

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

```
.border{ border-color:rgb(247, 149, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 149, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 149, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 149, 211);  
box-shadow:4px 4px 4px 4px rgb(247, 149,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9722, 0.3495, 0.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 149, 211) }
```

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

```
.background{ background-color: rgb(247,  
149, 211) }
```

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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