

Converting Colors

$Y_{xy}(49.1123, 0.3345, 0.2446)$

Have a look what the booklet for
Yxy(49.1123, 0.3345, 0.2446)
contains.

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Color

Yxy(49.0709, 0.3345, 0.2444)

Conversions

Conversions Part 1

Format	Color
Hex	FF96EB
RGB	255, 150, 235
RGB Percent	100%, 59%, 92%
CMY	0.0000, 0.4119, 0.0783
CMYK	0.00, 0.41, 0.08, 0.00
HSL	311°, 100%, 79%
HSV	311°, 41%, 100%
XYZ	67.1613, 49.0709, 84.5489
YIQ	191.0850, 35.2950, 48.6950

Conversions

Conversions Part 2

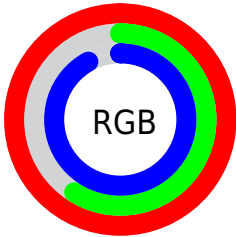
Format	Color
R _Y B	255, 150, 235
Decimal	16750315
CIE Lab	75.50, 50.97, -26.08
CIE LCh	75, 57.252, 332.904
Yxy	49.0709, 0.3345, 0.2444
Android (android.graphics.Color)	4294940395 (0xFFFF96EB)
YUV	191.0850, 21.6501, 56.0535
Hunter-Lab	70.0506, 48.5489, -22.5257

Details

The Yxy color **49.0709, 0.3345, 0.2444** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.9007, 0.2970, 0.4322**, and the grayscale version is **51.9976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **23.3562, 0.3382, 0.2251** is the 20% darker color. If you saturate the color by 10%, you get **41.5155, 0.3413, 0.2256**, and if you desaturate by 10%, it is **58.3854, 0.3281, 0.2647**.

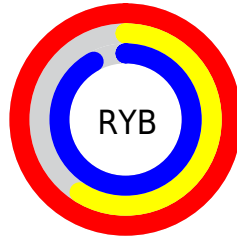
Distribution



Red (100%)

Green (59%)

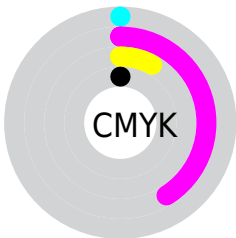
Blue (92%)



Red (100%)

Yellow (59%)

Blue (92%)

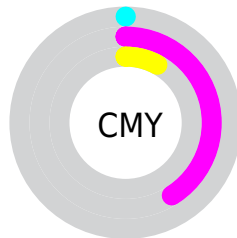


Cyan (0%)

Magenta (41%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (41%)

Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0709, 0.3345, 0.2444 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 49.0709, 0.3345, 0.2444 by changing the saturation by 10% instead.


 49.0709, 0.3345,
0.2444


 49.0709, 0.3345,
0.2444


383.0214, 0.3251,
0.2830

 34.6757, 0.3365,
0.2358


 88.7967, 0.3314,
0.2577

 23.4132, 0.3388,
0.2252

 114.8962, 0.3301,
0.2629

 14.8989, 0.3415,
0.2120


145.6659, 0.3290,
0.2674

 8.7485, 0.3448,
0.1951

181.4902, 0.3281,
0.2713

 4.5775, 0.3487,
0.1729

222.7535, 0.3272,
0.2748

 2.0016, 0.3531,
0.1428

269.8402, 0.3264,

 0.6084, 0.3583,

0.2778

0.0968

323.1347, 0.3257,
0.2806

■ 0.0000, 0.3692,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.0709, 0.3345,
0.2444

■ 49.0709, 0.3345,
0.2444

■ 41.5155, 0.3413,
0.2256

■ 58.3854, 0.3281,
0.2647

■ 35.6314, 0.3486,
0.2094

■ 69.5931, 0.3225,
0.2857

■ 31.2793, 0.3562,
0.1967

■ 82.7818, 0.3175,
0.3065

■ 28.3099, 0.3637,
0.1884

■ 98.0421, 0.3132,
0.3267

■ 26.5440, 0.3709,
0.1848

100.0000, 0.3127,
0.3290

■ 25.7411, 0.3770,
0.1850

Harmonies

Analogous

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



49.0709, 0.2588, 0.2168



49.0709, 0.3345, 0.2444



49.0709, 0.4128, 0.2893

Triad

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



49.0709, 0.3345, 0.2444



49.0709, 0.4203, 0.4521



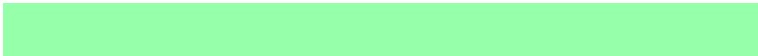
49.0709, 0.1833, 0.2848

Complementary

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



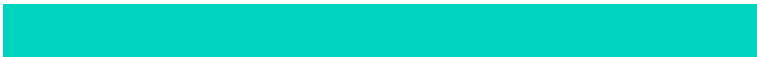
49.0709, 0.3345, 0.2444



80.9007, 0.2970, 0.4322

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.



49.0709, 0.2165, 0.3644



49.0709, 0.3345, 0.2444



49.0709, 0.3523, 0.4742

Square

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



49.0709, 0.3345, 0.2444



49.0709, 0.4627, 0.4017



49.0709, 0.2776, 0.4423



49.0709, 0.1802, 0.2328

Rectangle

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



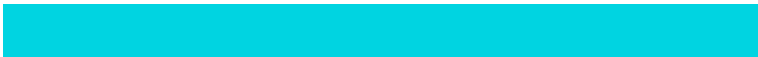
49.0709, 0.3345, 0.2444



49.0709, 0.4505, 0.3252



49.0709, 0.2776, 0.4423



49.0709, 0.1909, 0.3090

Sweetspot

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



49.0615, 0.3344, 0.2444



81.6374, 0.3179, 0.3048



37.4813, 0.2488, 0.2056



17.0849, 0.3185, 0.3021



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.



49.0615, 0.3344, 0.2444



43.0217, 0.3398, 0.2295



46.4901, 0.3845, 0.2944



18.2376, 0.3167, 0.3100



13.4714, 0.3759, 0.1844



1.3262, 0.3685, 0.1803

Inverse Universe

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



49.0615, 0.3344, 0.2444



43.0217, 0.3398, 0.2295



83.2607, 0.2714, 0.3676



18.2376, 0.3167, 0.3100



13.4714, 0.3759, 0.1844



1.3262, 0.3685, 0.1803

Previews

White Background



This preview shows how the Yxy color 49.0709, 0.3345, 0.2444 looks on a white background.

Color Contrast Check

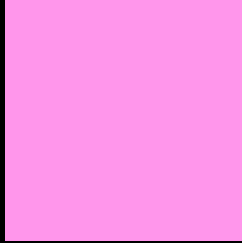
Large Text (above 18pt) WCAG AA × Fail

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 49.0709, 0.3345, 0.2444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

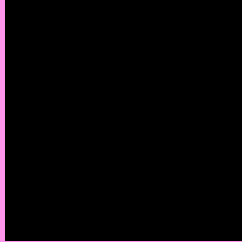
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0709, 0.3345, 0.2444

Background



This preview shows how black text looks on a background with the Yxy color 49.0709, 0.3345, 0.2444.



This preview shows how white text looks on a background with the Yxy color 49.0709, 0.3345, 0.2444.

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

49.0709, 0.3345, 0.2444

Protanopia

49.5003, 0.2514, 0.2454

Deuteranopia

49.1803, 0.2792, 0.2724



Tritanopia

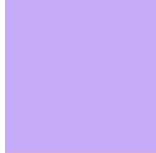
48.8923, 0.3827, 0.3152

Trichromacy



Original Color

49.0709, 0.3345, 0.2444



Protanomaly

48.2881, 0.2770, 0.2433



Deuteranomaly

48.0743, 0.2976, 0.2597



Tritanomaly

48.9942, 0.3650, 0.2880

Monochromacy



Original Color

49.0709, 0.3345, 0.2444



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

49.8518, 0.3204, 0.2930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0709, 0.3345, 0.2444 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(255, 150, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 150, 235)  
}
```

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(255, 150, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 150, 235) }
```

Border

The CSS property to change the border of an element to Yxy 49.0709, 0.3345, 0.2444 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(255, 150, 235) }
```

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

```
.border{ border-color:rgb(255, 150, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 150, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 150, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 150, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 150,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0709, 0.3345, 0.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 150, 235) }
```

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

```
.background{ background-color: rgb(255,  
150, 235) }
```

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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