

Converting Colors

$Y_{xy}(41.1106, 0.3204, 0.2149)$

Have a look what the booklet for
Yxy(41.1106, 0.3204, 0.2149)
contains.

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Color

Yxy(41.2616, 0.3208, 0.2156)

Conversions

Conversions Part 1

Format	Color
Hex	F580F2
RGB	245, 128, 242
RGB Percent	96%, 50%, 95%
CMY	0.0393, 0.4979, 0.0510
CMYK	0.00, 0.48, 0.01, 0.04
HSL	302°, 85%, 73%
HSV	302°, 48%, 96%
XYZ	61.3948, 41.2616, 88.7239
YIQ	175.9790, 33.1380, 60.2580

Conversions

Conversions Part 2

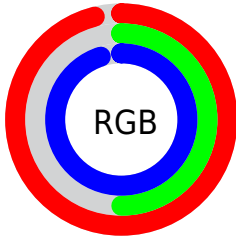
Format	Color
R _Y B	245, 128, 242
Decimal	16089330
CIE Lab	70.36, 59.98, -37.91
CIE LCh	70, 70.957, 327.704
Yxy	41.2616, 0.3208, 0.2156
Android (android.graphics.Color)	4294279410 (0xFFFF580F2)
YUV	175.9790, 32.5484, 60.5314
Hunter-Lab	64.2352, 58.1954, -36.9288

Details

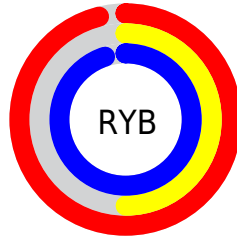
The Yxy color **41.2616, 0.3208, 0.2156** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **71.5215, 0.3042, 0.4767**, and the grayscale version is **43.2219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **18.7070, 0.3205, 0.1910** is the 20% darker color. If you saturate the color by 10%, you get **35.5868, 0.3225, 0.1962**, and if you desaturate by 10%, it is **48.4828, 0.3191, 0.2377**.

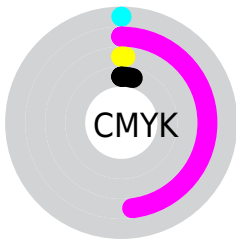
Distribution



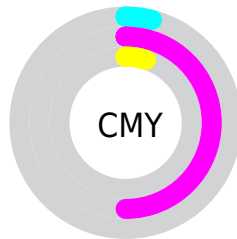
- Red (96%)
- Green (50%)
- Blue (95%)



- Red (96%)
- Yellow (50%)
- Blue (95%)



- Cyan (0%)
- Magenta (48%)
- Yellow (1%)
- Black (4%)





- Cyan (4%)
- Magenta (50%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2616, 0.3208, 0.2156 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 41.2616, 0.3208, 0.2156 by changing the saturation by 10% instead.

 41.2616, 0.3208,
0.2156


 41.2616, 0.3208,
0.2156


351.4128, 0.3189,
0.2672


 28.5236, 0.3207,
0.2042


 77.0809, 0.3206,
0.2332

 18.7207, 0.3204,
0.1904


 100.9308, 0.3203,
0.2402

 11.4686, 0.3195,
0.1734


 129.2536, 0.3201,
0.2462

 6.3830, 0.3176,
0.1520

162.4335, 0.3199,
0.2514

 3.0793, 0.3136,
0.1248

200.8550, 0.3196,
0.2561

 1.1733, 0.3052,
0.0900

244.9025, 0.3194,

 0.0397, 0.2984,

0.2602

0.0070

294.9602, 0.3192,
0.2639

0.0000, 0.2206,
0.0000

0.0000, 0.0000,
0.0000

41.2616, 0.3208,
0.2156

41.2616, 0.3208,
0.2156

35.5868, 0.3225,
0.1962

48.4828, 0.3191,
0.2377

31.3399, 0.3240,
0.1804


57.3464, 0.3173,
0.2615

28.3944, 0.3253,
0.1688


67.9473, 0.3156,
0.2860

26.5995, 0.3264,
0.1615


80.3715, 0.3139,
0.3105

 25.7523, 0.3273,
0.1582


 94.6992, 0.3124,
0.3343

 25.6238, 0.3275,
0.1578

 97.5666, 0.3118,
0.3380

 97.6051, 0.3115,
0.3374

 97.6437, 0.3111,
0.3368

 97.6824, 0.3107,
0.3362

Harmonies

Analogous

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



41.2616, 0.2289, 0.1867



41.2616, 0.3208, 0.2156



41.2616, 0.4269, 0.2662

Triad

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



41.2616, 0.3208, 0.2156



41.2616, 0.4568, 0.4697



41.2616, 0.1546, 0.2832

Complementary

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



41.2616, 0.3208, 0.2156



71.5215, 0.3042, 0.4767

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.



41.2616, 0.1992, 0.3950



41.2616, 0.3208, 0.2156



41.2616, 0.3728, 0.5182

Square

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



41.2616, 0.3208, 0.2156



41.2616, 0.5079, 0.3995



41.2616, 0.2789, 0.4970



41.2616, 0.1467, 0.2130

Rectangle

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



41.2616, 0.3208, 0.2156



41.2616, 0.4826, 0.3078



41.2616, 0.2789, 0.4970



41.2616, 0.1651, 0.3169

Sweetspot

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



41.2635, 0.3208, 0.2156



79.2411, 0.3149, 0.2952



26.7798, 0.2227, 0.1786



16.3535, 0.3153, 0.2898



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.



41.2635, 0.3208, 0.2156



39.3196, 0.3224, 0.1973



38.3372, 0.3792, 0.2688



16.7606, 0.3142, 0.3063



13.8103, 0.3274, 0.1577



1.2161, 0.3265, 0.1572

Inverse Universe

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



41.2635, 0.3208, 0.2156



39.3196, 0.3224, 0.1973



73.5327, 0.2761, 0.4006



16.7606, 0.3142, 0.3063



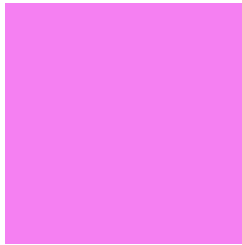
13.8103, 0.3274, 0.1577



1.2161, 0.3265, 0.1572

Previews

White Background



This preview shows how the Yxy color 41.2616, 0.3208, 0.2156 looks on a white background.

Color Contrast Check

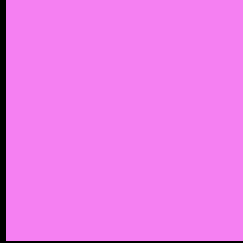
Large Text (above 18pt) WCAG AA × Fail

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 41.2616, 0.3208, 0.2156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

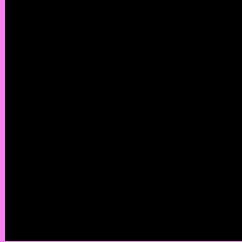
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2616, 0.3208, 0.2156

Background



This preview shows how black text looks on a background with the Yxy color 41.2616, 0.3208, 0.2156.

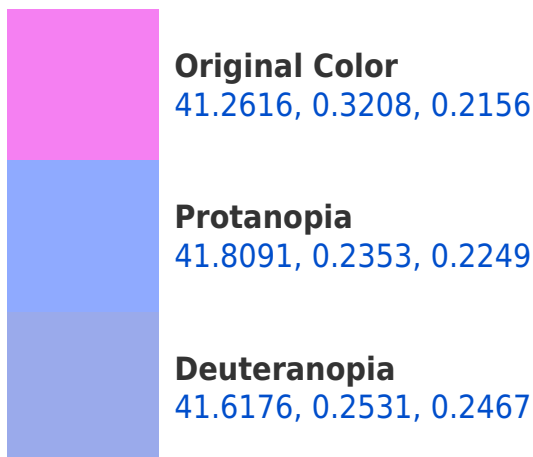


This preview shows how white text looks on a background with the Yxy color 41.2616, 0.3208, 0.2156.

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





Tritanopia

41.3452, 0.3915, 0.3167

Trichromacy



Original Color

41.2616, 0.3208, 0.2156



Protanomaly

40.0481, 0.2605, 0.2182



Deuteranomaly

40.1805, 0.2739, 0.2310



Tritanomaly

41.0746, 0.3655, 0.2764

Monochromacy



Original Color

41.2616, 0.3208, 0.2156



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.3839, 0.3160, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2616, 0.3208, 0.2156 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, 128, 242)` looks like.

```
.text, #text, p{  
    color:rgb(245, 128, 242)  
}
```

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, 128, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 128, 242) }
```

Border

The CSS property to change the border of an element to Yxy 41.2616, 0.3208, 0.2156 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, 128, 242) }
```

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

```
.border{ border-color:rgb(245, 128, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 128, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 128, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 128, 242);  
box-shadow:4px 4px 4px 4px rgb(245, 128,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2616, 0.3208, 0.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 128, 242) }
```

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

```
.background{ background-color: rgb(245,  
128, 242) }
```

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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