

Converting Colors

$Y_{xy}(41.5253, 0.3204, 0.2153)$

Have a look what the booklet for
Yxy(41.5253, 0.3204, 0.2153)
contains.

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Color

Yxy(41.5022, 0.3208, 0.2151)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | F680F3 |
| RGB | 246, 128, 243 |
| RGB Percent | 96%, 50%, 95% |
| CMY | 0.0354, 0.4979, 0.0470 |
| CMYK | 0.00, 0.48, 0.01, 0.04 |
| HSL | 302°, 87%, 73% |
| HSV | 302°, 48%, 96% |
| XYZ | 61.8964, 41.5022, 89.5452 |
| YIQ | 176.3920, 33.4130, 60.7810 |

Conversions

Conversions Part 2

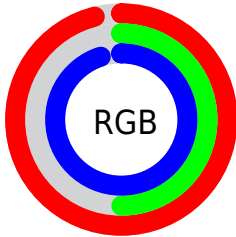
| Format | Color |
|-------------------------------------|-------------------------------|
| R _{YB} | 246, 128, 243 |
| Decimal | 16154867 |
| CIE Lab | 70.53, 60.43, -38.20 |
| CIE LCh | 71, 71.491, 327.704 |
| Yxy | 41.5022, 0.3208, 0.2151 |
| Android (android.graphics.Color) | 4294344947 (0xFFFF680F3) |
| YUV | 176.3920, 32.8377, 61.0462 |
| Hunter-Lab | 64.4222, 58.7626, -37.3160 |

Details

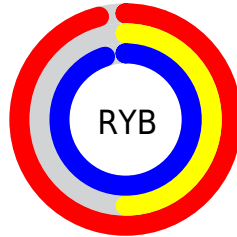
The Yxy color **41.5022, 0.3208, 0.2151** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **72.1259, 0.3042, 0.4775**, and the grayscale version is **43.4465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7610, 0.3160, 0.2595**, and **18.7447, 0.3205, 0.1897** is the 20% darker color. If you saturate the color by 10%, you get **35.8077, 0.3225, 0.1958**, and if you desaturate by 10%, it is **48.7557, 0.3191, 0.2371**.

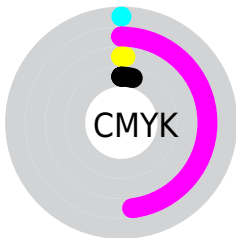
Distribution



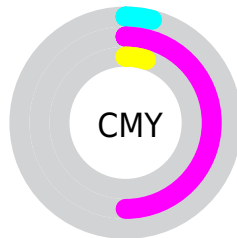
- Red (96%)
- Green (50%)
- Blue (95%)



- 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 41.5022, 0.3208, 0.2151 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 41.5022, 0.3208, 0.2151 by changing the saturation by 10% instead.


 41.5022, 0.3208,
0.2151

 41.5022, 0.3208,
0.2151


352.4152, 0.3190,
0.2668


 28.7117, 0.3207,
0.2037


 77.4457, 0.3206,
0.2327

 18.8628, 0.3203,
0.1899


 101.3674, 0.3204,
0.2397

 11.5712, 0.3194,
0.1729


 129.7684, 0.3201,
0.2457

 6.4524, 0.3175,
0.1516

163.0330, 0.3199,
0.2510

 3.1221, 0.3135,
0.1245

201.5455, 0.3196,
0.2557

 1.1958, 0.3051,
0.0899

245.6905, 0.3194,

 0.0583, 0.2977,

0.2598

0.0100

295.8523, 0.3192,
0.2635

■ 0.0000, 0.2252,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.5022, 0.3208,
0.2151

■ 41.5022, 0.3208,
0.2151

■ 35.8077, 0.3225,
0.1958

■ 48.7557, 0.3191,
0.2371

■ 31.5522, 0.3240,
0.1800


■ 57.6654, 0.3173,
0.2609

■ 28.6078, 0.3253,
0.1685

■ 68.3272, 0.3156,
0.2855

■ 26.8210, 0.3264,
0.1613


■ 80.8282, 0.3139,
0.3100

 25.9833, 0.3273,
0.1581


 95.2495, 0.3124,
0.3338

 25.8665, 0.3274,
0.1577

 97.8065, 0.3119,
0.3370

 97.8448, 0.3115,
0.3364

 97.8832, 0.3112,
0.3358

 97.9217, 0.3108,
0.3352

Harmonies

Analogous

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



41.5022, 0.2285, 0.1861



41.5022, 0.3208, 0.2151



41.5022, 0.4276, 0.2659

Triad

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



41.5022, 0.3208, 0.2151



41.5022, 0.4573, 0.4702



41.5022, 0.1539, 0.2829

Complementary

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



41.5022, 0.3208, 0.2151



72.1259, 0.3042, 0.4775

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.



41.5022, 0.1986, 0.3953



41.5022, 0.3208, 0.2151



41.5022, 0.3729, 0.5192

Square

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



41.5022, 0.3208, 0.2151



41.5022, 0.5088, 0.3996



41.5022, 0.2786, 0.4981



41.5022, 0.1460, 0.2124

Rectangle

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



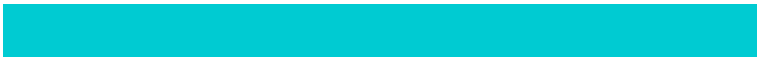
41.5022, 0.3208, 0.2151



41.5022, 0.4836, 0.3076



41.5022, 0.2786, 0.4981



41.5022, 0.1644, 0.3168

Sweetspot

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



41.5041, 0.3208, 0.2151



79.2419, 0.3149, 0.2951



26.8417, 0.2223, 0.1778



16.3537, 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.



41.5041, 0.3208, 0.2151



38.7786, 0.3225, 0.1955



38.5369, 0.3796, 0.2685



16.7607, 0.3142, 0.3063



13.8131, 0.3273, 0.1577



1.2163, 0.3264, 0.1572

Inverse Universe

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



41.5041, 0.3208, 0.2151



38.7786, 0.3225, 0.1955



74.1599, 0.2760, 0.4010



16.7607, 0.3142, 0.3063



13.8131, 0.3273, 0.1577



1.2163, 0.3264, 0.1572

Previews

White Background



This preview shows how the Yxy color 41.5022, 0.3208, 0.2151 looks on a white background.

Color Contrast Check

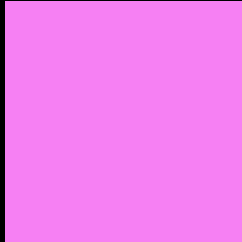
Large Text (above 18pt) WCAG AA × Fail

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 41.5022, 0.3208, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

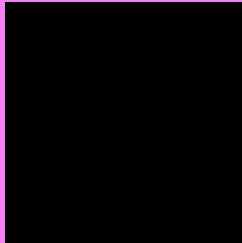
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5022, 0.3208, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 41.5022, 0.3208, 0.2151.



This preview shows how white text looks on a background with the Yxy color 41.5022, 0.3208, 0.2151.

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

41.5022, 0.3208, 0.2151

Protanopia

41.8091, 0.2353, 0.2249

Deuteranopia

41.6176, 0.2531, 0.2467



Tritanopia

41.5159, 0.3925, 0.3168

Trichromacy



Original Color

41.5022, 0.3208, 0.2151



Protanomaly

40.1110, 0.2599, 0.2173



Deuteranomaly

40.1805, 0.2739, 0.2310



Tritanomaly

41.2927, 0.3654, 0.2756

Monochromacy



Original Color

41.5022, 0.3208, 0.2151



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 41.5022, 0.3208, 0.2151 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(246, 128, 243)` looks like.

```
.text, #text, p{  
    color:rgb(246, 128, 243)  
}
```

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(246, 128, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 128, 243) }
```

Border

The CSS property to change the border of an element to Yxy 41.5022, 0.3208, 0.2151 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(246, 128, 243) }
```

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

```
.border{ border-color:rgb(246, 128, 243) }
```

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

Here you see how a box with a 4 pixel rgb(246, 128, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 128, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 128, 243);  
box-shadow:4px 4px 4px 4px rgb(246, 128,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5022, 0.3208, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 128, 243) }
```

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

```
.background{ background-color: rgb(246,  
128, 243) }
```

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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