

Converting Colors

$Y_{xy}(45.1907, 0.3080, 0.2155)$

Have a look what the booklet for
Yxy(45.1907, 0.3080, 0.2155)
contains.

Yxy(45.0309, 0.3076, 0.2151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.0309, 0.3076, 0.2151)

Conversions

Conversions Part 1

Format	Color
Hex	F38CFF
RGB	243, 140, 255
RGB Percent	95%, 55%, 100%
CMY	0.0470, 0.4510, 0.0000
CMYK	0.05, 0.45, 0.00, 0.00
HSL	294°, 100%, 77%
HSV	294°, 45%, 100%
XYZ	64.3957, 45.0309, 99.9221
YIQ	183.9070, 24.4730, 57.6010

Conversions

Conversions Part 2

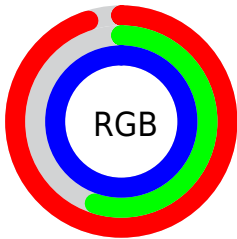
Format	Color
R _Y B	243, 140, 255
Decimal	15961343
CIE _{Lab}	72.91, 55.90, -41.06
CIE _{LCh}	73, 69.362, 323.705
Yxy	45.0309, 0.3076, 0.2151
Android (android.graphics.Color)	4294151423 (0xFFFF38CFF)
YUV	183.9070, 35.0488, 51.8246
Hunter-Lab	67.1051, 53.8591, -41.3116

Details

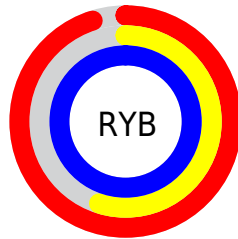
The Yxy color **45.0309, 0.3076, 0.2151** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.0869, 0.3126, 0.4684**, and the grayscale version is **47.6714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **21.0471, 0.3040, 0.1908** is the 20% darker color. If you saturate the color by 10%, you get **37.9540, 0.3056, 0.1928**, and if you desaturate by 10%, it is **53.8423, 0.3093, 0.2397**.

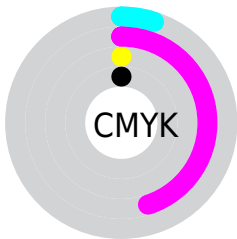
Distribution



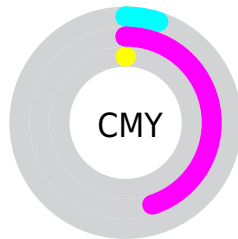
- Red (95%)
- Green (55%)
- Blue (100%)



- Red (95%)
- Yellow (55%)
- Blue (100%)



- Cyan (5%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0309, 0.3076, 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 45.0309, 0.3076, 0.2151 by changing the saturation by 10% instead.


 45.0309, 0.3076,
0.2151

 45.0309, 0.3076,
0.2151


366.8987, 0.3121,
0.2662

 31.4818, 0.3060,
0.2040


 82.7668, 0.3096,
0.2324

 20.9660, 0.3039,
0.1906

 107.7223, 0.3102,
0.2393

 13.0991, 0.3007,
0.1742


137.2488, 0.3108,
0.2452

 7.4968, 0.2959,
0.1538

171.7305, 0.3112,
0.2505

 3.7747, 0.2883,
0.1280

211.5520, 0.3115,
0.2551

 1.5484, 0.2753,
0.0953

257.0976, 0.3117,

 0.3224, 0.2551,

0.2592

0.0417

308.7517, 0.3120,
0.2629

0.0000, 0.2020,
0.0000

0.0000, 0.0000,
0.0000

45.0309, 0.3076,
0.2151

45.0309, 0.3076,
0.2151

37.9540, 0.3056,
0.1928

53.8423, 0.3093,
0.2397

32.4886, 0.3034,
0.1736

64.4958, 0.3106,
0.2653

28.4989, 0.3009,
0.1584

77.0922, 0.3117,
0.2912

25.8256, 0.2983,
0.1477

91.7247, 0.3124,
0.3165

■ 24.2724, 0.2956,
0.1414

100.0000, 0.3127,
0.3290

■ 23.7830, 0.2943,
0.1395

Harmonies

Analogous

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



45.0309, 0.2234, 0.1903



45.0309, 0.3076, 0.2151



45.0309, 0.4087, 0.2618

Triad

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



45.0309, 0.3076, 0.2151



45.0309, 0.4604, 0.4567



45.0309, 0.1648, 0.2985

Complementary

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



45.0309, 0.3076, 0.2151



80.0869, 0.3126, 0.4684

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.



45.0309, 0.2132, 0.4067



45.0309, 0.3076, 0.2151



45.0309, 0.3834, 0.5059

Square

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



45.0309, 0.3076, 0.2151



45.0309, 0.5021, 0.3892



45.0309, 0.2933, 0.4951



45.0309, 0.1522, 0.2250

Rectangle

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



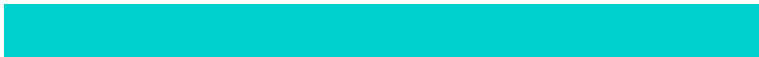
45.0309, 0.3076, 0.2151



45.0309, 0.4654, 0.3012



45.0309, 0.2933, 0.4951



45.0309, 0.1768, 0.3322

Sweetspot

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



45.0315, 0.3076, 0.2151



78.6008, 0.3118, 0.2940



35.7124, 0.2299, 0.2036



16.1955, 0.3116, 0.2885



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.



45.0315, 0.3076, 0.2151



38.6514, 0.3059, 0.1951



44.7134, 0.3584, 0.2570



18.1985, 0.3121, 0.3055



12.4661, 0.2947, 0.1397



1.2403, 0.2979, 0.1415

Inverse Universe

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



42.2809, 0.4217, 0.3168



35.7090, 0.4568, 0.3150



80.5590, 0.2850, 0.4156



18.0178, 0.3278, 0.3266



11.1591, 0.6282, 0.3234



1.0962, 0.6063, 0.3114

Previews

White Background



This preview shows how the Yxy color 45.0309, 0.3076, 0.2151 looks on a white background.

Color Contrast Check

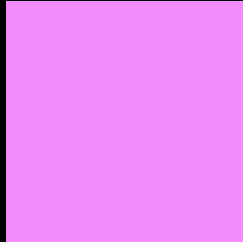
Large Text (above 18pt) WCAG AA × Fail

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 45.0309, 0.3076, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

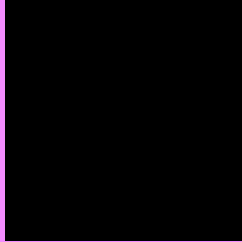
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0309, 0.3076, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 45.0309, 0.3076, 0.2151.



This preview shows how white text looks on a background with the Yxy color 45.0309, 0.3076, 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

45.0309, 0.3076, 0.2151

Protanopia

45.4366, 0.2427, 0.2351

Deuteranopia

45.3897, 0.2489, 0.2426



Tritanopia

44.8924, 0.3726, 0.3154

Trichromacy



Original Color

45.0309, 0.3076, 0.2151



Protanomaly

44.2100, 0.2629, 0.2253



Deuteranomaly

44.2073, 0.2668, 0.2294

Tritanomaly

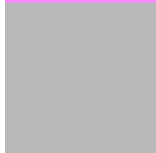
44.5536, 0.3475, 0.2741

Monochromacy



Original Color

45.0309, 0.3076, 0.2151



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

45.6375, 0.3107, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0309, 0.3076, 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(243, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 140, 255)  
}
```

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(243, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.0309, 0.3076, 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(243, 140, 255) }
```

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

```
.border{ border-color:rgb(243, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0309, 0.3076, 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(243, 140, 255) }
```

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

```
.background{ background-color: rgb(243,  
140, 255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor