

Converting Colors

$Y_{xy}(44.3315, 0.3090, 0.2126)$

Have a look what the booklet for
Yxy(44.3315, 0.3090, 0.2126)
contains.

Yxy(44.5238, 0.3094, 0.2131)	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(44.5238, 0.3094, 0.2131)

Conversions

Conversions Part 1

Format	Color
Hex	F589FF
RGB	245, 137, 255
RGB Percent	96%, 54%, 100%
CMY	0.0393, 0.4627, 0.0001
CMYK	0.04, 0.46, 0.00, 0.00
HSL	295°, 100%, 77%
HSV	295°, 46%, 100%
XYZ	64.6441, 44.5238, 99.7659
YIQ	182.7440, 26.4900, 59.5940

Conversions

Conversions Part 2

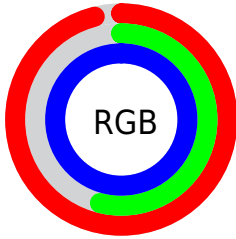
Format	Color
R _Y B	245, 137, 255
Decimal	16091647
CIE _{Lab}	72.58, 57.91, -41.53
CIE _{LCh}	73, 71.267, 324.352
Yxy	44.5238, 0.3094, 0.2131
Android (android.graphics.Color)	4294281727 (0xFFFF589FF)
YUV	182.7440, 35.6222, 54.5985
Hunter-Lab	66.7262, 56.1596, -41.9394

Details

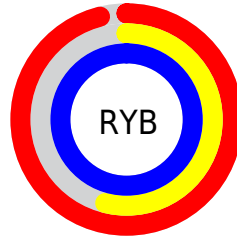
The Yxy color **44.5238, 0.3094, 0.2131** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.5086, 0.3112, 0.4731**, and the grayscale version is **46.9996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6199, 0.3156, 0.2683**, and **20.6766, 0.3063, 0.1879** is the 20% darker color. If you saturate the color by 10%, you get **37.7264, 0.3079, 0.1914**, and if you desaturate by 10%, it is **53.0421, 0.3106, 0.2372**.

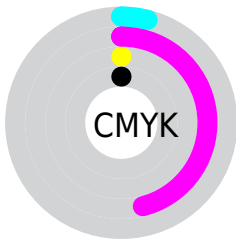
Distribution



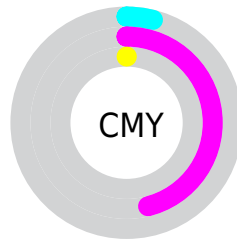
- Red (96%)
- Green (54%)
- Blue (100%)



- Red (96%)
- Yellow (54%)
- Blue (100%)



- Cyan (4%)
- Magenta (46%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (46%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5238, 0.3094, 0.2131 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 44.5238, 0.3094, 0.2131 by changing the saturation by 10% instead.

 44.5238, 0.3094,
0.2131

 44.5238, 0.3094,
0.2131


364.8415, 0.3131,
0.2650


 31.0825, 0.3080,
0.2018


 82.0054, 0.3111,
0.2307

 20.6617, 0.3060,
0.1882


 106.8144, 0.3117,
0.2376

 12.8769, 0.3031,
0.1716

 136.1815, 0.3121,
0.2437

 7.3439, 0.2986,
0.1510

170.4911, 0.3124,
0.2490

 3.6781, 0.2913,
0.1250

210.1274, 0.3127,
0.2537

 1.4952, 0.2787,
0.0923

255.4750, 0.3129,

 0.2853, 0.2594,

0.2579

0.0370

306.9183, 0.3130,
0.2617

■ 0.0000, 0.2065,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.5238, 0.3094,
0.2131

■ 44.5238, 0.3094,
0.2131

■ 37.7264, 0.3079,
0.1914

■ 53.0421, 0.3106,
0.2372

■ 32.5215, 0.3062,
0.1731

■ 63.3860, 0.3115,
0.2625

■ 28.7725, 0.3043,
0.1589

■ 75.6588, 0.3121,
0.2883

■ 26.3167, 0.3023,
0.1491

■ 89.9542, 0.3126,
0.3136

■ 24.9519, 0.3001,
0.1436

99.9979, 0.3127,
0.3290

■ 24.6084, 0.2993,
0.1423

Harmonies

Analogous

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



44.5238, 0.2224, 0.1873



44.5238, 0.3094, 0.2131



44.5238, 0.4137, 0.2611

Triad

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



44.5238, 0.3094, 0.2131



44.5238, 0.4624, 0.4606



44.5238, 0.1603, 0.2950

Complementary

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



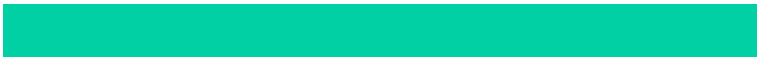
44.5238, 0.3094, 0.2131



79.5086, 0.3112, 0.4731

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.



44.5238, 0.2087, 0.4067



44.5238, 0.3094, 0.2131



44.5238, 0.3825, 0.5117

Square

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



44.5238, 0.3094, 0.2131



44.5238, 0.5069, 0.3912



44.5238, 0.2901, 0.4999



44.5238, 0.1485, 0.2208

Rectangle

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



44.5238, 0.3094, 0.2131



44.5238, 0.4717, 0.3014



44.5238, 0.2901, 0.4999



44.5238, 0.1722, 0.3295

Sweetspot

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



44.5258, 0.3094, 0.2131



78.7314, 0.3122, 0.2941



33.9747, 0.2270, 0.1974



16.2277, 0.3121, 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.



44.5258, 0.3094, 0.2131



37.8929, 0.3080, 0.1919



43.6948, 0.3621, 0.2571



18.2176, 0.3124, 0.3055



12.8948, 0.2997, 0.1425



1.2776, 0.3023, 0.1439

Inverse Universe

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



41.2577, 0.4286, 0.3190



34.3549, 0.4687, 0.3176



80.2881, 0.2835, 0.4158



18.0120, 0.3281, 0.3270



11.1468, 0.6310, 0.3250



1.0934, 0.6123, 0.3147

Previews

White Background



This preview shows how the Yxy color 44.5238, 0.3094, 0.2131 looks on a white background.

Color Contrast Check

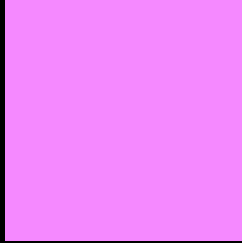
Large Text (above 18pt) WCAG AA × Fail

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 44.5238, 0.3094, 0.2131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

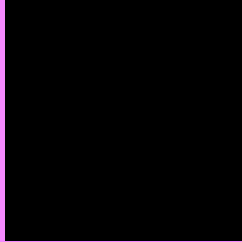
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5238, 0.3094, 0.2131

Background



This preview shows how black text looks on a background with the Yxy color 44.5238, 0.3094, 0.2131.



This preview shows how white text looks on a background with the Yxy color 44.5238, 0.3094, 0.2131.

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

44.5238, 0.3094, 0.2131

Protanopia

44.9461, 0.2419, 0.2337

Deuteranopia

44.7965, 0.2475, 0.2411



Tritanopia

44.4709, 0.3771, 0.3155

Trichromacy



Original Color

44.5238, 0.3094, 0.2131



Protanomaly

43.4998, 0.2626, 0.2230



Deuteranomaly

43.4971, 0.2666, 0.2271

Tritanomaly

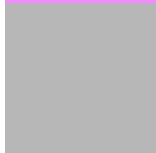
44.1600, 0.3516, 0.2744

Monochromacy



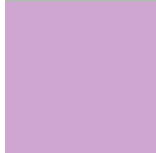
Original Color

44.5238, 0.3094, 0.2131



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

44.9977, 0.3125, 0.2779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5238, 0.3094, 0.2131 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, 137, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 137, 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(245, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 137, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.5238, 0.3094, 0.2131 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, 137, 255) }
```

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

```
.border{ border-color:rgb(245, 137, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 137, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 137, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 137, 255); box-shadow:4px 4px 4px 4px rgb(245, 137, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5238, 0.3094, 0.2131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 137, 255) }
```

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

```
.background{ background-color: rgb(245,  
137, 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