

Converting Colors

$Y_{xy}(45.0481, 0.2987, 0.2003)$

Have a look what the booklet for
Yxy(45.0481, 0.2987, 0.2003)
contains.

Yxy(44.1408, 0.3103, 0.2116)	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(44.1408, 0.3103, 0.2116)

Conversions

Conversions Part 1

Format	Color
Hex	F687FF
RGB	246, 135, 255
RGB Percent	96%, 53%, 100%
CMY	0.0352, 0.4707, 0.0000
CMYK	0.04, 0.47, 0.00, 0.00
HSL	296°, 100%, 76%
HSV	296°, 47%, 100%
XYZ	64.7301, 44.1408, 99.7340
YIQ	181.8690, 27.6360, 60.8520

Conversions

Conversions Part 2

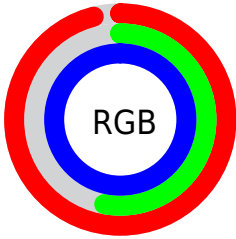
Format	Color
R_{YB}	246, 135, 255
Decimal	16156671
CIE _{Lab}	72.32, 59.20, -41.95
CIE _{LCh}	72, 72.562, 324.678
Yxy	44.1408, 0.3103, 0.2116
Android (android.graphics.Color)	4294346751 (0xFFFF687FF)
YUV	181.8690, 36.0536, 56.2429
Hunter-Lab	66.4385, 57.6425, -42.4960

Details

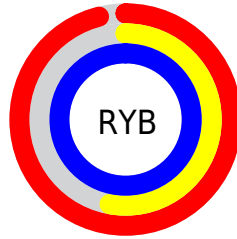
The Yxy color **44.1408, 0.3103, 0.2116** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.1938, 0.3104, 0.4762**, and the grayscale version is **46.4918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **20.3793, 0.3064, 0.1861** is the 20% darker color. If you saturate the color by 10%, you get **37.5158, 0.3091, 0.1904**, and if you desaturate by 10%, it is **52.4740, 0.3113, 0.2354**.

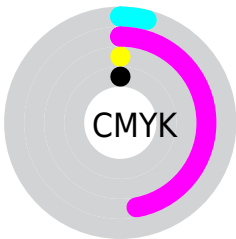
Distribution



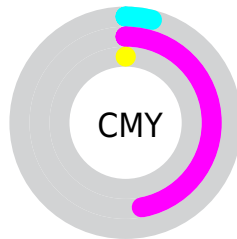
- Red (96%)
- Green (53%)
- Blue (100%)



- Red (96%)
- Yellow (53%)
- Blue (100%)



- Cyan (4%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (47%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1408, 0.3103, 0.2116 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 44.1408, 0.3103, 0.2116 by changing the saturation by 10% instead.


 44.1408, 0.3103,
0.2116


 44.1408, 0.3103,
0.2116

363.2825, 0.3137,
0.2642

 30.7812, 0.3090,
0.2002


 81.4296, 0.3119,
0.2294

 20.4323, 0.3071,
0.1865

 106.1275, 0.3124,
0.2364

 12.7097, 0.3042,
0.1697


 135.3738, 0.3128,
0.2426

 7.2289, 0.2998,
0.1489

169.5527, 0.3131,
0.2479

 3.6057, 0.2927,
0.1228

209.0486, 0.3133,
0.2527

 1.4555, 0.2802,
0.0900

254.2459, 0.3135,

 0.2571, 0.2613,

0.2569

0.0335

305.5291, 0.3136,
0.2607

0.0000, 0.2079,
0.0000

0.0000, 0.0000,
0.0000

44.1408, 0.3103,
0.2116

44.1408, 0.3103,
0.2116

37.5158, 0.3091,
0.1904

52.4740, 0.3113,
0.2354

32.4738, 0.3077,
0.1725

62.6252, 0.3119,
0.2606

28.8750, 0.3061,
0.1589

74.6970, 0.3124,
0.2863

26.5544, 0.3043,
0.1497

88.7837, 0.3126,
0.3116

■ 25.3012, 0.3024,
0.1447

100.0000, 0.3127,
0.3290

■ 25.0429, 0.3019,
0.1436

Harmonies

Analogous

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



44.1408, 0.2215, 0.1852



44.1408, 0.3103, 0.2116



44.1408, 0.4168, 0.2604

Triad

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



44.1408, 0.3103, 0.2116



44.1408, 0.4638, 0.4630



44.1408, 0.1574, 0.2929

Complementary

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



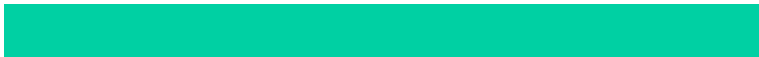
44.1408, 0.3103, 0.2116



79.1938, 0.3104, 0.4762

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.



44.1408, 0.2058, 0.4071



44.1408, 0.3103, 0.2116



44.1408, 0.3821, 0.5156

Square

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



44.1408, 0.3103, 0.2116



44.1408, 0.5102, 0.3923



44.1408, 0.2882, 0.5034



44.1408, 0.1460, 0.2180

Rectangle

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



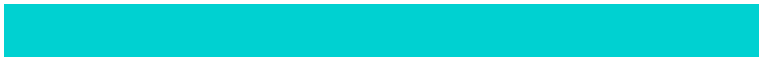
44.1408, 0.3103, 0.2116



44.1408, 0.4757, 0.3013



44.1408, 0.2882, 0.5034



44.1408, 0.1692, 0.3280

Sweetspot

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



44.1413, 0.3103, 0.2116



78.7972, 0.3125, 0.2941



32.6153, 0.2249, 0.1922



16.2439, 0.3124, 0.2886



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.



44.1413, 0.3103, 0.2116



38.1442, 0.3093, 0.1925



42.9905, 0.3653, 0.2578



18.2272, 0.3126, 0.3055



13.1146, 0.3022, 0.1438



1.2967, 0.3044, 0.1451

Inverse Universe

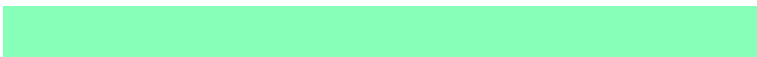
The Inverse Universe completely reimagines the original color for something new.



40.5952, 0.4331, 0.3201



34.3194, 0.4705, 0.3190



80.1718, 0.2822, 0.4150



18.0091, 0.3283, 0.3273



11.1413, 0.6323, 0.3257



1.0921, 0.6154, 0.3164

Previews

White Background



This preview shows how the Yxy color 44.1408, 0.3103, 0.2116 looks on a white background.

Color Contrast Check

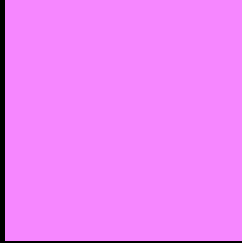
Large Text (above 18pt) WCAG AA × Fail

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 44.1408, 0.3103, 0.2116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

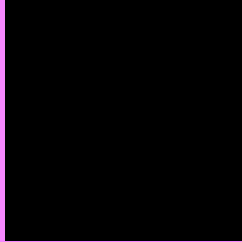
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.1408, 0.3103, 0.2116

Background



This preview shows how black text looks on a background with the Yxy color 44.1408, 0.3103, 0.2116.



This preview shows how white text looks on a background with the Yxy color 44.1408, 0.3103, 0.2116.

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

44.1408, 0.3103, 0.2116

Protanopia

44.4593, 0.2411, 0.2323

Deuteranopia

44.6980, 0.2469, 0.2409



Tritanopia

43.8949, 0.3807, 0.3156

Trichromacy



Original Color

44.1408, 0.3103, 0.2116



Protanomaly

42.8007, 0.2624, 0.2208



Deuteranomaly

43.0196, 0.2658, 0.2257

Tritanomaly

43.6541, 0.3539, 0.2735

Monochromacy



Original Color

44.1408, 0.3103, 0.2116



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.4929, 0.3116, 0.2765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1408, 0.3103, 0.2116 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, 135, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 135, 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(246, 135, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 135, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.1408, 0.3103, 0.2116 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, 135, 255) }
```

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

```
.border{ border-color:rgb(246, 135, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 135, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 135, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 135, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 135,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1408, 0.3103, 0.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 135, 255) }
```

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

```
.background{ background-color: rgb(246,  
135, 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