

Converting Colors

$Y_{xy}(46.1491, 0.2981, 0.2047)$

Have a look what the booklet for
Yxy(46.1491, 0.2981, 0.2047)
contains.

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Color

Yxy(45.3886, 0.3093, 0.2157)

Conversions

Conversions Part 1

Format	Color
Hex	F58CFF
RGB	245, 140, 255
RGB Percent	96%, 55%, 100%
CMY	0.0392, 0.4510, 0.0000
CMYK	0.04, 0.45, 0.00, 0.00
HSL	295°, 100%, 77%
HSV	295°, 45%, 100%
XYZ	65.0843, 45.3886, 99.9517
YIQ	184.5050, 25.6650, 58.0250

Conversions

Conversions Part 2

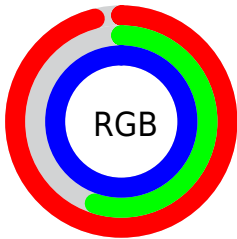
Format	Color
R _Y B	245, 140, 255
Decimal	16092415
CIE Lab	73.15, 56.45, -40.67
CIE LCh	73, 69.578, 324.228
Yxy	45.3886, 0.3093, 0.2157
Android (android.graphics.Color)	4294282495 (0xFFFF58CFF)
YUV	184.5050, 34.7540, 53.0541
Hunter-Lab	67.3711, 54.5420, -40.8029

Details

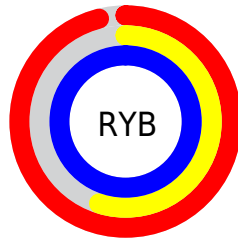
The Yxy color **45.3886, 0.3093, 0.2157** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.8988, 0.3114, 0.4689**, and the grayscale version is **48.0204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9599, 0.3154, 0.2712**, and **21.2976, 0.3063, 0.1918** is the 20% darker color. If you saturate the color by 10%, you get **38.3840, 0.3078, 0.1937**, and if you desaturate by 10%, it is **54.1263, 0.3105, 0.2400**.

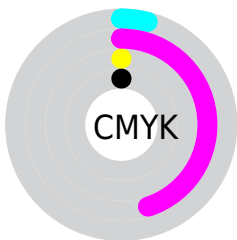
Distribution



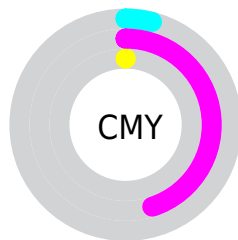
- Red (96%)
- Green (55%)
- Blue (100%)



- Red (96%)
- Yellow (55%)
- Blue (100%)



- Cyan (4%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3886, 0.3093, 0.2157 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 45.3886, 0.3093, 0.2157 by changing the saturation by 10% instead.


 45.3886, 0.3093,
0.2157

 45.3886, 0.3093,
0.2157


368.3451, 0.3130,
0.2665

 31.7636, 0.3080,
0.2047

 83.3032, 0.3110,
0.2329

 21.1810, 0.3060,
0.1914


 108.3617, 0.3115,
0.2397

 13.2564, 0.3032,
0.1751


138.0001, 0.3119,
0.2456

 7.6053, 0.2989,
0.1548

172.6028, 0.3123,
0.2508

 3.8435, 0.2918,
0.1292

212.5543, 0.3125,
0.2554

 1.5864, 0.2798,
0.0967

258.2389, 0.3127,

 0.3484, 0.2605,

0.2595

0.0445

310.0411, 0.3129,
0.2632

0.0000, 0.2116,
0.0000

0.0000, 0.0000,
0.0000

45.3886, 0.3093,
0.2157

45.3886, 0.3093,
0.2157

38.3840, 0.3078,
0.1937

54.1263, 0.3105,
0.2400

32.9887, 0.3061,
0.1749

64.7036, 0.3115,
0.2655

29.0671, 0.3041,
0.1601

77.2219, 0.3121,
0.2913

26.4599, 0.3020,
0.1497

91.7743, 0.3126,
0.3165

■ 24.9710, 0.2998,
0.1437

100.0000, 0.3127,
0.3290

■ 24.5121, 0.2987,
0.1419

Harmonies

Analogous

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



45.3886, 0.2245, 0.1905



45.3886, 0.3093, 0.2157



45.3886, 0.4104, 0.2627

Triad

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



45.3886, 0.3093, 0.2157



45.3886, 0.4594, 0.4578



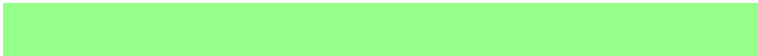
45.3886, 0.1642, 0.2969

Complementary

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



45.3886, 0.3093, 0.2157



79.8988, 0.3114, 0.4689

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.



45.3886, 0.2120, 0.4048



45.3886, 0.3093, 0.2157



45.3886, 0.3819, 0.5065

Square

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



45.3886, 0.3093, 0.2157



45.3886, 0.5019, 0.3904



45.3886, 0.2917, 0.4943



45.3886, 0.1523, 0.2241

Rectangle

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



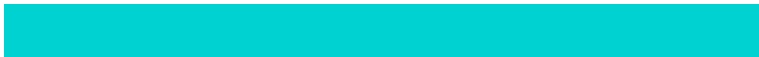
45.3886, 0.3093, 0.2157



45.3886, 0.4667, 0.3023



45.3886, 0.2917, 0.4943



45.3886, 0.1760, 0.3304

Sweetspot

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



45.3895, 0.3093, 0.2157



78.7153, 0.3122, 0.2941



35.0924, 0.2295, 0.2012



16.2237, 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.



45.3895, 0.3093, 0.2157



39.0706, 0.3080, 0.1959



44.6216, 0.3603, 0.2588



18.2153, 0.3124, 0.3055



12.8414, 0.2991, 0.1421



1.2730, 0.3017, 0.1436

Inverse Universe

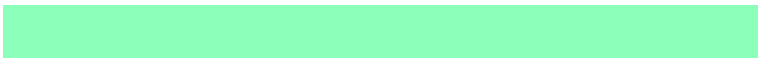
The Inverse Universe completely reimagines the original color for something new.



42.2205, 0.4239, 0.3189



35.6451, 0.4597, 0.3174



80.6413, 0.2840, 0.4132



18.0127, 0.3281, 0.3270



11.1482, 0.6307, 0.3248



1.0938, 0.6116, 0.3143

Previews

White Background



This preview shows how the Yxy color 45.3886, 0.3093, 0.2157 looks on a white background.

Color Contrast Check

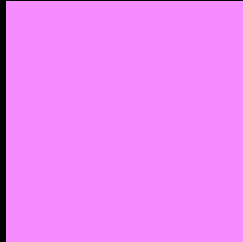
Large Text (above 18pt) WCAG AA × Fail

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 45.3886, 0.3093, 0.2157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

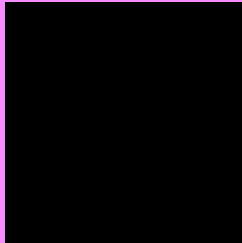
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3886, 0.3093, 0.2157

Background



This preview shows how black text looks on a background with the Yxy color 45.3886, 0.3093, 0.2157.



This preview shows how white text looks on a background with the Yxy color 45.3886, 0.3093, 0.2157.

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

45.3886, 0.3093, 0.2157

Protanopia

45.9308, 0.2435, 0.2365

Deuteranopia

45.8872, 0.2498, 0.2440



Tritanopia

45.2290, 0.3745, 0.3155

Trichromacy



Original Color

45.3886, 0.3093, 0.2157



Protanomaly

44.3357, 0.2636, 0.2255



Deuteranomaly

44.4631, 0.2683, 0.2298

Tritanomaly

44.8979, 0.3494, 0.2745

Monochromacy



Original Color

45.3886, 0.3093, 0.2157



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

46.2945, 0.3124, 0.2805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3886, 0.3093, 0.2157 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, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 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(245, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 140, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.3886, 0.3093, 0.2157 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, 140, 255) }
```

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

```
.border{ border-color:rgb(245, 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(245, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 140, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 140, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 140,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3886, 0.3093, 0.2157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 140, 255) }
```

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

```
.background{ background-color: rgb(245,  
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](#).

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