

Converting Colors

$Y_{xy}(46.5391, 0.2695, 0.2145)$

Have a look what the booklet for
Yxy(46.5391, 0.2695, 0.2145)
contains.

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Color

Yxy(45.6270, 0.2784, 0.2254)

Conversions

Conversions Part 1

Format	Color
Hex	CFA0FF
RGB	207, 160, 255
RGB Percent	81%, 63%, 100%
CMY	0.1882, 0.3726, 0.0000
CMYK	0.19, 0.37, 0.00, 0.00
HSL	270°, 100%, 81%
HSV	270°, 37%, 100%
XYZ	56.3556, 45.6270, 100.4442
YIQ	184.8830, -2.4830, 39.5090

Conversions

Conversions Part 2

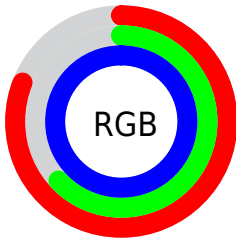
Format	Color
R _Y B	207, 160, 255
Decimal	13607167
CIE Lab	73.30, 35.13, -40.72
CIE LCh	73, 53.779, 310.779
Yxy	45.6270, 0.2784, 0.2254
Android (android.graphics.Color)	4291797247 (0xFFCFA0FF)
YUV	184.8830, 34.5677, 19.3966
Hunter-Lab	67.5478, 30.7154, -40.8814

Details

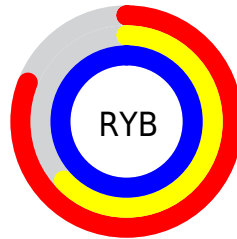
The Yxy color **45.6270, 0.2784, 0.2254** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **87.4654, 0.3370, 0.4327**, and the grayscale version is **48.2544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **21.3817, 0.2678, 0.2022** is the 20% darker color. If you saturate the color by 10%, you get **35.8957, 0.2662, 0.1953**, and if you desaturate by 10%, it is **57.3263, 0.2894, 0.2553**.

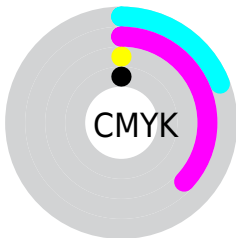
Distribution



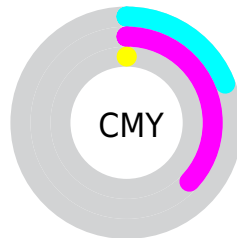
- Red (81%)
- Green (63%)
- Blue (100%)



- Red (81%)
- Yellow (63%)
- Blue (100%)



- Cyan (19%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6270, 0.2784, 0.2254 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 45.6270, 0.2784, 0.2254 by changing the saturation by 10% instead.


 45.6270, 0.2784,
0.2254

 45.6270, 0.2784,
0.2254


369.3070, 0.2964,
0.2729

 31.9516, 0.2738,
0.2148


 83.6605, 0.2850,
0.2417

 21.3245, 0.2680,
0.2020


 108.7874, 0.2875,
0.2481

 13.3614, 0.2602,
0.1860


138.5002, 0.2896,
0.2536

 7.6779, 0.2495,
0.1659

173.1833, 0.2913,
0.2585

 3.8895, 0.2343,
0.1400

213.2211, 0.2929,
0.2627

 1.6120, 0.2111,
0.1064

258.9981, 0.2942,

 0.3656, 0.1764,

0.2665

0.0512

310.8986, 0.2954,
0.2699

0.0000, 0.0578,
0.0000

0.0000, 0.0000,
0.0000

45.6270, 0.2784,
0.2254

45.6270, 0.2784,
0.2254

35.8957, 0.2662,
0.1953

57.3263, 0.2894,
0.2553

28.0117, 0.2532,
0.1663

71.0937, 0.2991,
0.2840

21.8493, 0.2396,
0.1400

87.0290, 0.3074,
0.3108

17.2638, 0.2263,
0.1177

100.0000, 0.3127,
0.3290

■ 14.0856, 0.2136,
0.1008

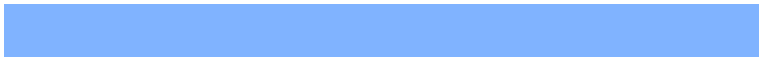
■ 12.0970, 0.2023,
0.0897

■ 11.6710, 0.1994,
0.0872

Harmonies

Analogous

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



45.6270, 0.2201, 0.2144



45.6270, 0.2784, 0.2254



45.6270, 0.3546, 0.2572

Triad

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



45.6270, 0.2784, 0.2254



45.6270, 0.4503, 0.4140



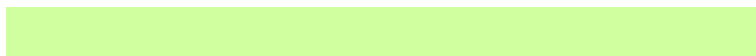
45.6270, 0.2085, 0.3417

Complementary

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



45.6270, 0.2784, 0.2254



87.4654, 0.3370, 0.4327

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.



45.6270, 0.2616, 0.4208



45.6270, 0.2784, 0.2254



45.6270, 0.4015, 0.4574

Square

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



45.6270, 0.2784, 0.2254



45.6270, 0.4613, 0.3590



45.6270, 0.3323, 0.4659



45.6270, 0.1838, 0.2705

Rectangle

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



45.6270, 0.2784, 0.2254



45.6270, 0.4043, 0.2873



45.6270, 0.3323, 0.4659



45.6270, 0.2233, 0.3691

Sweetspot

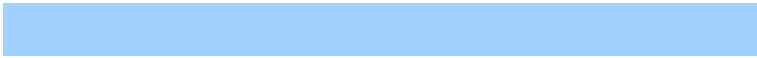
The Sweet Spot groups the original color and five complimentary colors.



45.6288, 0.2784, 0.2254



80.8021, 0.3045, 0.3010



60.3350, 0.2528, 0.2755



16.8289, 0.3033, 0.2974



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.



45.6288, 0.2784, 0.2254



37.9252, 0.2691, 0.2021



53.3221, 0.3158, 0.2362



17.8192, 0.3057, 0.3050



6.1869, 0.2011, 0.0881



0.6673, 0.2134, 0.0949

Inverse Universe

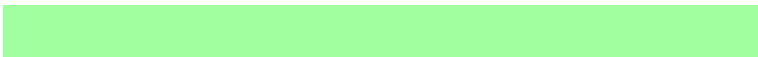
The Inverse Universe completely reimagines the original color for something new.



50.9544, 0.3578, 0.2796



44.1762, 0.3714, 0.2695



81.6957, 0.3083, 0.4425



18.1402, 0.3215, 0.3171



11.9644, 0.4943, 0.2497



1.1870, 0.4691, 0.2358

Previews

White Background



This preview shows how the Yxy color 45.6270, 0.2784, 0.2254 looks on a white background.

Color Contrast Check

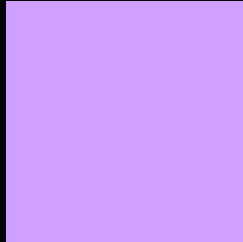
Large Text (above 18pt) WCAG AA × Fail

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 45.6270, 0.2784, 0.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

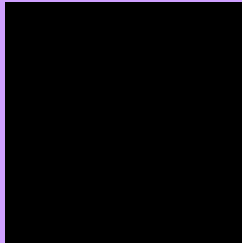
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6270, 0.2784, 0.2254

Background



This preview shows how black text looks on a background with the Yxy color 45.6270, 0.2784, 0.2254.



This preview shows how white text looks on a background with the Yxy color 45.6270, 0.2784, 0.2254.

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

45.6270, 0.2784, 0.2254

Protanopia

46.0294, 0.2441, 0.2366

Deuteranopia

45.8737, 0.2469, 0.2407



Tritanopia

45.6387, 0.3206, 0.3115

Trichromacy



Original Color

45.6270, 0.2784, 0.2254



Protanomaly

45.3445, 0.2553, 0.2312



Deuteranomaly

45.2681, 0.2577, 0.2342



Tritanomaly

45.4088, 0.3047, 0.2774

Monochromacy



Original Color

45.6270, 0.2784, 0.2254



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

47.0413, 0.3003, 0.2874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6270, 0.2784, 0.2254 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(207, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 160, 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(207, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.6270, 0.2784, 0.2254 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(207, 160, 255) }
```

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

```
.border{ border-color:rgb(207, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6270, 0.2784, 0.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 160, 255) }
```

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

```
.background{ background-color: rgb(207,  
160, 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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