

Converting Colors

$Y_{xy}(47.0285, 0.2577, 0.2018)$

Have a look what the booklet for
Yxy(47.0285, 0.2577, 0.2018)
contains.

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Color

Yxy(45.0581, 0.2753, 0.2245)

Conversions

Conversions Part 1

Format	Color
Hex	CBA0FF
RGB	203, 160, 255
RGB Percent	80%, 63%, 100%
CMY	0.2038, 0.3726, 0.0000
CMYK	0.20, 0.37, 0.00, 0.00
HSL	267°, 100%, 81%
HSV	267°, 37%, 100%
XYZ	55.2539, 45.0581, 100.3923
YIQ	183.6870, -4.8670, 38.6610

Conversions

Conversions Part 2

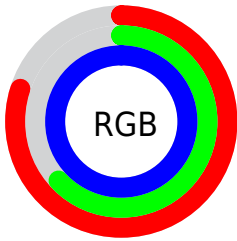
Format	Color
R _Y B	203, 160, 255
Decimal	13345023
CIE Lab	72.93, 33.98, -41.33
CIE LCh	73, 53.505, 309.422
Yxy	45.0581, 0.2753, 0.2245
Android (android.graphics.Color)	4291535103 (0xFFCBA0FF)
YUV	183.6870, 35.1573, 16.9375
Hunter-Lab	67.1253, 29.4620, -41.6861

Details

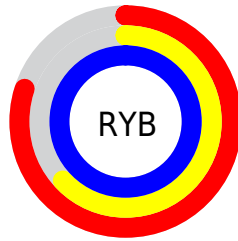
The Yxy color **45.0581, 0.2753, 0.2245** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.0504, 0.3396, 0.4318**, and the grayscale version is **47.5579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **21.0054, 0.2637, 0.2008** is the 20% darker color. If you saturate the color by 10%, you get **35.2357, 0.2621, 0.1938**, and if you desaturate by 10%, it is **56.8733, 0.2872, 0.2548**.

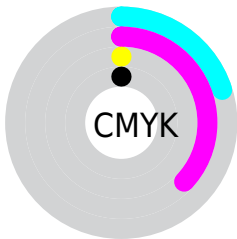
Distribution



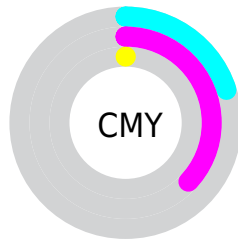
- Red (80%)
- Green (63%)
- Blue (100%)



- Red (80%)
- Yellow (63%)
- Blue (100%)



- Cyan (20%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (20%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0581, 0.2753, 0.2245 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 45.0581, 0.2753, 0.2245 by changing the saturation by 10% instead.


 45.0581, 0.2753,
0.2245


 45.0581, 0.2753,
0.2245


367.0088, 0.2948,
0.2725

 31.5032, 0.2704,
0.2138


 82.8076, 0.2825,
0.2410

 20.9823, 0.2641,
0.2008


 107.7710, 0.2851,
0.2475

 13.1111, 0.2557,
0.1846


137.3059, 0.2874,
0.2530

 7.5051, 0.2443,
0.1642

171.7969, 0.2893,
0.2579

 3.7799, 0.2281,
0.1380

211.6283, 0.2910,
0.2622

 1.5512, 0.2036,
0.1040

257.1845, 0.2924,

 0.3244, 0.1675,

0.2661

0.0463

308.8499, 0.2937,
0.2695

■ 0.0000, 0.0333,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.0581, 0.2753,
0.2245

■ 45.0581, 0.2753,
0.2245

■ 35.2357, 0.2621,
0.1938

■ 56.8733, 0.2872,
0.2548

■ 27.2846, 0.2480,
0.1642

■ 70.7826, 0.2978,
0.2838

■ 21.0777, 0.2336,
0.1371

■ 86.8865, 0.3069,
0.3108

■ 16.4693, 0.2193,
0.1142

100.0000, 0.3127,
0.3290

■ 13.2887, 0.2061,
0.0968

■ 11.3167, 0.1945,
0.0854

■ 10.8986, 0.1916,
0.0829

Harmonies

Analogous

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



45.0581, 0.2182, 0.2145



45.0581, 0.2753, 0.2245



45.0581, 0.3510, 0.2555

Triad

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



45.0581, 0.2753, 0.2245



45.0581, 0.4516, 0.4116



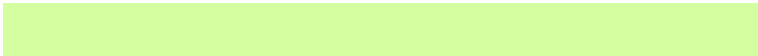
45.0581, 0.2105, 0.3453

Complementary

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



45.0581, 0.2753, 0.2245



88.0504, 0.3396, 0.4318

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.



45.0581, 0.2646, 0.4238



45.0581, 0.2753, 0.2245



45.0581, 0.4042, 0.4558

Square

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



45.0581, 0.2753, 0.2245



45.0581, 0.4606, 0.3564



45.0581, 0.3356, 0.4665



45.0581, 0.1844, 0.2732

Rectangle

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



45.0581, 0.2753, 0.2245



45.0581, 0.4011, 0.2851



45.0581, 0.3356, 0.4665



45.0581, 0.2257, 0.3727

Sweetspot

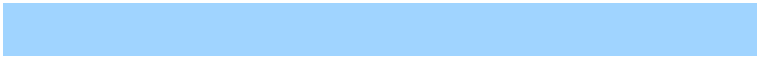
The Sweet Spot groups the original color and five complimentary colors.



45.0599, 0.2753, 0.2245



80.5957, 0.3037, 0.3010



61.9040, 0.2533, 0.2793



16.7798, 0.3024, 0.2973



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.



45.0599, 0.2753, 0.2245



37.2850, 0.2652, 0.2007



52.7300, 0.3132, 0.2355



17.7806, 0.3050, 0.3049



5.7807, 0.1933, 0.0838



0.6267, 0.2058, 0.0907

Inverse Universe

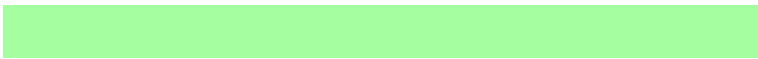
The Inverse Universe completely reimagines the original color for something new.



51.1518, 0.3541, 0.2757



44.4024, 0.3664, 0.2648



82.0299, 0.3101, 0.4418



18.1534, 0.3208, 0.3161



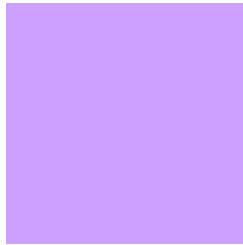
12.1211, 0.4765, 0.2399



1.2022, 0.4538, 0.2274

Previews

White Background



This preview shows how the Yxy color 45.0581, 0.2753, 0.2245 looks on a white background.

Color Contrast Check

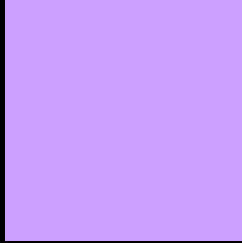
Large Text (above 18pt) WCAG AA × Fail

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 45.0581, 0.2753, 0.2245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

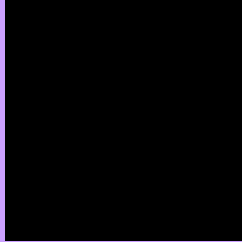
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0581, 0.2753, 0.2245

Background



This preview shows how black text looks on a background with the Yxy color 45.0581, 0.2753, 0.2245.



This preview shows how white text looks on a background with the Yxy color 45.0581, 0.2753, 0.2245.

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

45.0581, 0.2753, 0.2245

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.3426, 0.2449, 0.2382



Tritanopia

44.9793, 0.3162, 0.3112

Trichromacy



Original Color

45.0581, 0.2753, 0.2245



Protanomaly

45.1165, 0.2539, 0.2308



Deuteranomaly

44.9883, 0.2551, 0.2327



Tritanomaly

44.7315, 0.3005, 0.2767

Monochromacy



Original Color

45.0581, 0.2753, 0.2245



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

46.3895, 0.2987, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0581, 0.2753, 0.2245 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(203, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.0581, 0.2753, 0.2245 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(203, 160, 255) }
```

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

```
.border{ border-color:rgb(203, 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(203, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(203, 160,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0581, 0.2753, 0.2245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 160, 255) }
```

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

```
.background{ background-color: rgb(203,  
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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