

Converting Colors

$Y_{xy}(45.1644, 0.3211, 0.2153)$

Have a look what the booklet for
Yxy(45.1644, 0.3211, 0.2153)
contains.

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Color

Yxy(45.0633, 0.3207, 0.2151)

Conversions

Conversions Part 1

Format	Color
Hex	FF85FC
RGB	255, 133, 252
RGB Percent	100%, 52%, 99%
CMY	0.0002, 0.4783, 0.0118
CMYK	0.00, 0.48, 0.01, 0.00
HSL	301°, 100%, 76%
HSV	301°, 48%, 100%
XYZ	67.1864, 45.0633, 97.2496
YIQ	183.0440, 34.5130, 62.8730

Conversions

Conversions Part 2

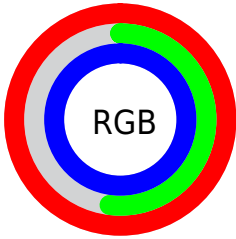
Format	Color
R _Y B	255, 133, 252
Decimal	16745980
CIE Lab	72.93, 62.07, -39.27
CIE LCh	73, 73.448, 327.676
Yxy	45.0633, 0.3207, 0.2151
Android (android.graphics.Color)	4294936060 (0xFFFF85FC)
YUV	183.0440, 33.9953, 63.1054
Hunter-Lab	67.1292, 61.1761, -38.9025

Details

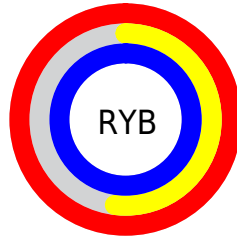
The Yxy color **45.0633, 0.3207, 0.2151** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.2615, 0.3043, 0.4775**, and the grayscale version is **47.1795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **20.9836, 0.3204, 0.1906** is the 20% darker color. If you saturate the color by 10%, you get **38.8696, 0.3223, 0.1957**, and if you desaturate by 10%, it is **52.9553, 0.3190, 0.2372**.

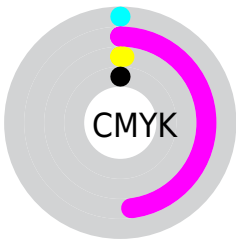
Distribution



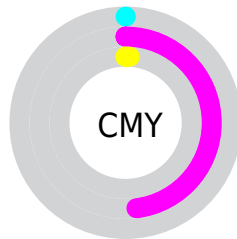
- Red (100%)
- Green (52%)
- Blue (99%)



- Red (100%)
- Yellow (52%)
- Blue (99%)



- Cyan (0%)
- Magenta (48%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (48%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0633, 0.3207, 0.2151 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 45.0633, 0.3207, 0.2151 by changing the saturation by 10% instead.

 45.0633, 0.3207,
0.2151


 45.0633, 0.3207,
0.2151


367.0299, 0.3190,
0.2660


 31.5073, 0.3206,
0.2040


 82.8154, 0.3205,
0.2323

 20.9854, 0.3202,
0.1907


 107.7803, 0.3203,
0.2392

 13.1134, 0.3194,
0.1744


 137.3169, 0.3201,
0.2451

 7.5067, 0.3176,
0.1541

171.8096, 0.3198,
0.2503

 3.7809, 0.3141,
0.1285

211.6429, 0.3196,
0.2549

 1.5518, 0.3067,
0.0961

257.2011, 0.3194,

 0.3248, 0.2951,

0.2591

0.0425

308.8686, 0.3192,
0.2627

■ 0.0000, 0.2575,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.0633, 0.3207,
0.2151

■ 45.0633, 0.3207,
0.2151

■ 38.8696, 0.3223,
0.1957

■ 52.9553, 0.3190,
0.2372

■ 34.2434, 0.3238,
0.1800

■ 62.6518, 0.3172,
0.2611

■ 31.0450, 0.3251,
0.1684

■ 74.2572, 0.3155,
0.2857

■ 29.1071, 0.3262,
0.1612

■ 87.8666, 0.3139,
0.3103

■ 28.2063, 0.3270,
0.1580

99.9924, 0.3127,
0.3290

■ 28.0773, 0.3272,
0.1576

Harmonies

Analogous

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



45.0633, 0.2285, 0.1861



45.0633, 0.3207, 0.2151



45.0633, 0.4274, 0.2659

Triad

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



45.0633, 0.3207, 0.2151



45.0633, 0.4573, 0.4701



45.0633, 0.1540, 0.2830

Complementary

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



45.0633, 0.3207, 0.2151



78.2615, 0.3043, 0.4775

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.



45.0633, 0.1987, 0.3954



45.0633, 0.3207, 0.2151



45.0633, 0.3730, 0.5191

Square

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



45.0633, 0.3207, 0.2151



45.0633, 0.5088, 0.3995



45.0633, 0.2787, 0.4981



45.0633, 0.1460, 0.2125

Rectangle

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



45.0633, 0.3207, 0.2151



45.0633, 0.4834, 0.3076



45.0633, 0.2787, 0.4981



45.0633, 0.1645, 0.3169

Sweetspot

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



45.0653, 0.3207, 0.2151



79.2440, 0.3149, 0.2951



29.1587, 0.2224, 0.1779



16.3542, 0.3153, 0.2898



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.



45.0653, 0.3207, 0.2151



39.3311, 0.3222, 0.1972



41.8415, 0.3796, 0.2686



18.2923, 0.3142, 0.3061



14.6797, 0.3271, 0.1576



1.4316, 0.3263, 0.1571

Inverse Universe

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



45.0653, 0.3207, 0.2151



39.3311, 0.3222, 0.1972



80.4709, 0.2760, 0.4009



18.2923, 0.3142, 0.3061



14.6797, 0.3271, 0.1576



1.4316, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 45.0633, 0.3207, 0.2151 looks on a white background.

Color Contrast Check

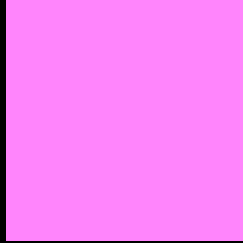
Large Text (above 18pt) WCAG AA × Fail

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 45.0633, 0.3207, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

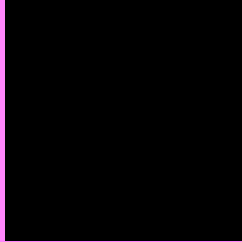
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0633, 0.3207, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 45.0633, 0.3207, 0.2151.



This preview shows how white text looks on a background with the Yxy color 45.0633, 0.3207, 0.2151.

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

45.0633, 0.3207, 0.2151

Protanopia

45.4366, 0.2427, 0.2351

Deuteranopia

45.4495, 0.2531, 0.2471



Tritanopia

44.7322, 0.3921, 0.3161

Trichromacy



Original Color

45.0633, 0.3207, 0.2151



Protanomaly

43.5926, 0.2661, 0.2237



Deuteranomaly

43.8072, 0.2745, 0.2311



Tritanomaly

44.5454, 0.3648, 0.2751

Monochromacy



Original Color

45.0633, 0.3207, 0.2151



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.0196, 0.3160, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0633, 0.3207, 0.2151 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(255, 133, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 252)  
}
```

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(255, 133, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 252) }
```

Border

The CSS property to change the border of an element to Yxy 45.0633, 0.3207, 0.2151 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(255, 133, 252) }
```

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

```
.border{ border-color:rgb(255, 133, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 133, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0633, 0.3207, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 133, 252) }
```

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

```
.background{ background-color: rgb(255,  
133, 252) }
```

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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