

Converting Colors

$Y_{xy}(45.3602, 0.3182, 0.2131)$

Have a look what the booklet for
Yxy(45.3602, 0.3182, 0.2131)
contains.

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Color

Yxy(45.2551, 0.3182, 0.2128)

Conversions

Conversions Part 1

Format	Color
Hex	FF85FF
RGB	255, 133, 255
RGB Percent	100%, 52%, 100%
CMY	0.0000, 0.4783, 0.0002
CMYK	0.00, 0.48, 0.00, 0.00
HSL	300°, 100%, 76%
HSV	300°, 48%, 100%
XYZ	67.6700, 45.2551, 99.7399
YIQ	183.3860, 33.5500, 63.8060

Conversions

Conversions Part 2

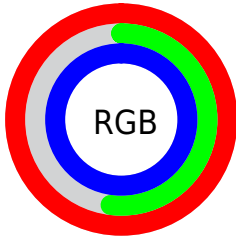
Format	Color
R _Y B	255, 133, 255
Decimal	16745983
CIE Lab	73.06, 62.59, -40.69
CIE LCh	73, 74.651, 326.974
Yxy	45.2551, 0.3182, 0.2128
Android (android.graphics.Color)	4294936063 (0xFFFF85FF)
YUV	183.3860, 35.3057, 62.8055
Hunter-Lab	67.2719, 61.8304, -40.8152

Details

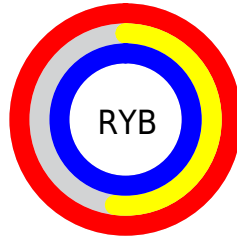
The Yxy color **45.2551, 0.3182, 0.2128** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.1997, 0.3056, 0.4811**, and the grayscale version is **47.3683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **21.1207, 0.3169, 0.1880** is the 20% darker color. If you saturate the color by 10%, you get **39.1003, 0.3191, 0.1932**, and if you desaturate by 10%, it is **53.1085, 0.3171, 0.2352**.

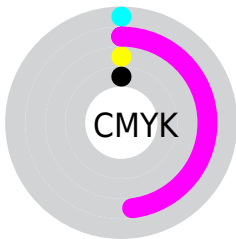
Distribution



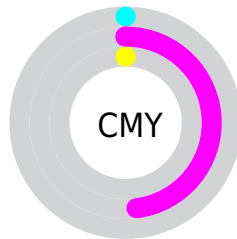
- Red (100%)
- Green (52%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2551, 0.3182, 0.2128 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 45.2551, 0.3182, 0.2128 by changing the saturation by 10% instead.


 45.2551, 0.3182,
0.2128

 45.2551, 0.3182,
0.2128


367.8057, 0.3178,
0.2646

 31.6584, 0.3178,
0.2016


 83.1031, 0.3185,
0.2303

 21.1007, 0.3170,
0.1882


 108.1232, 0.3184,
0.2372

 13.1976, 0.3157,
0.1717


 137.7198, 0.3184,
0.2433

 7.5648, 0.3132,
0.1514

172.2775, 0.3183,
0.2486

 3.8178, 0.3087,
0.1258

212.1805, 0.3182,
0.2533

 1.5721, 0.3000,
0.0936

257.8133, 0.3180,

 0.3387, 0.2861,

0.2575

0.0420

309.5602, 0.3179,
0.2612

■ 0.0000, 0.2472,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.2551, 0.3182,
0.2128

■ 45.2551, 0.3182,
0.2128

■ 39.1003, 0.3191,
0.1932

■ 53.1085, 0.3171,
0.2352

■ 34.5132, 0.3199,
0.1772

■ 62.7666, 0.3160,
0.2595

■ 31.3540, 0.3204,
0.1655

■ 74.3341, 0.3148,
0.2846

■ 29.4554, 0.3208,
0.1581

■ 87.9058, 0.3136,
0.3098

■ 28.5936, 0.3210,
0.1547

99.9987, 0.3127,
0.3290

■ 28.4736, 0.3210,
0.1542

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



45.2551, 0.2255, 0.1841



45.2551, 0.3182, 0.2128



45.2551, 0.4267, 0.2636

Triad

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



45.2551, 0.3182, 0.2128



45.2551, 0.4605, 0.4698



45.2551, 0.1527, 0.2844

Complementary

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



45.2551, 0.3182, 0.2128



78.1997, 0.3056, 0.4811

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.



45.2551, 0.1986, 0.3993



45.2551, 0.3182, 0.2128



45.2551, 0.3755, 0.5212

Square

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



45.2551, 0.3182, 0.2128



45.2551, 0.5118, 0.3981



45.2551, 0.2801, 0.5026



45.2551, 0.1440, 0.2120

Rectangle

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



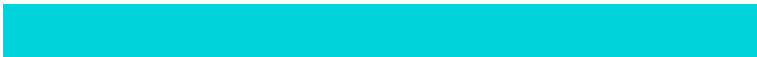
45.2551, 0.3182, 0.2128



45.2551, 0.4844, 0.3055



45.2551, 0.2801, 0.5026



45.2551, 0.1636, 0.3191

Sweetspot

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



45.2571, 0.3182, 0.2128



79.2990, 0.3144, 0.2943



28.9889, 0.2210, 0.1774



16.3678, 0.3146, 0.2889



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.



45.2571, 0.3182, 0.2128



39.5537, 0.3191, 0.1947



41.9352, 0.3774, 0.2666



18.3003, 0.3138, 0.3056



14.8789, 0.3210, 0.1542



1.4487, 0.3210, 0.1542

Inverse Universe

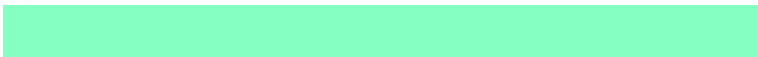
The Inverse Universe completely reimagines the original color for something new.



45.2571, 0.3182, 0.2128



39.5537, 0.3191, 0.1947



80.4001, 0.2769, 0.4036



18.3003, 0.3138, 0.3056



14.8789, 0.3210, 0.1542



1.4487, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 45.2551, 0.3182, 0.2128 looks on a white background.

Color Contrast Check

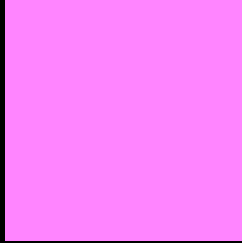
Large Text (above 18pt) WCAG AA × Fail

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 45.2551, 0.3182, 0.2128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

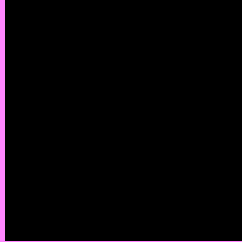
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2551, 0.3182, 0.2128

Background



This preview shows how black text looks on a background with the Yxy color 45.2551, 0.3182, 0.2128.



This preview shows how white text looks on a background with the Yxy color 45.2551, 0.3182, 0.2128.

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

45.2551, 0.3182, 0.2128

Protanopia

45.5343, 0.2433, 0.2353

Deuteranopia

45.4288, 0.2501, 0.2438



Tritanopia

45.0975, 0.3907, 0.3161

Trichromacy



Original Color

45.2551, 0.3182, 0.2128



Protanomaly

43.7861, 0.2662, 0.2230



Deuteranomaly

43.7293, 0.2710, 0.2279

Tritanomaly

44.5914, 0.3638, 0.2741

Monochromacy



Original Color

45.2551, 0.3182, 0.2128



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.0690, 0.3152, 0.2771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2551, 0.3182, 0.2128 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 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(255, 133, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 45.2551, 0.3182, 0.2128 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, 255) }
```

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

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

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, 255)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 45.2551, 0.3182, 0.2128 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, 255) }
```

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

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