

Converting Colors

$Y_{xy}(44.5667, 0.3278, 0.2215)$

Have a look what the booklet for
Yxy(44.5667, 0.3278, 0.2215)
contains.

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Color

Yxy(44.5667, 0.3278, 0.2215)

Conversions

Conversions Part 1

Format	Color
Hex	FF85F4
RGB	255, 133, 244
RGB Percent	100%, 52%, 96%
CMY	0.0000, 0.4784, 0.0433
CMYK	0.00, 0.48, 0.04, 0.00
HSL	305°, 100%, 76%
HSV	305°, 48%, 100%
XYZ	65.9547, 44.5667, 90.6827
YIQ	182.1320, 37.0810, 60.3850

Conversions

Conversions Part 2

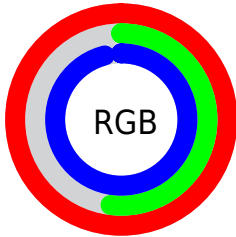
Format	Color
R _Y B	255, 133, 244
Decimal	16745972
CIE Lab	72.61, 60.74, -35.40
CIE LCh	73, 70.305, 329.765
Yxy	44.5667, 0.3278, 0.2215
Android (android.graphics.Color)	4294936052 (0xFFFF85F4)
YUV	182.1320, 30.5009, 63.9052
Hunter-Lab	66.7583, 59.5243, -33.8071

Details

The Yxy color **44.5667, 0.3278, 0.2215** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.5222, 0.3006, 0.4677**, and the grayscale version is **46.6698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **20.6314, 0.3300, 0.1980** is the 20% darker color. If you saturate the color by 10%, you get **38.2716, 0.3315, 0.2029**, and if you desaturate by 10%, it is **52.5577, 0.3242, 0.2426**.

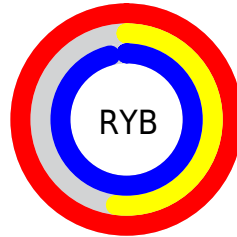
Distribution



Red (100%)

Green (52%)

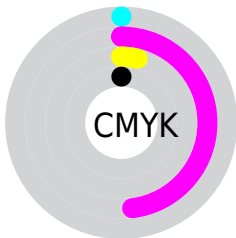
Blue (96%)



Red (100%)

Yellow (52%)

Blue (96%)

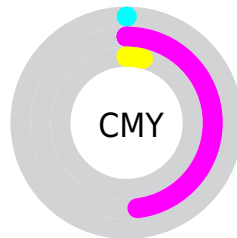


Cyan (0%)

Magenta (48%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (48%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5667, 0.3278, 0.2215 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 44.5667, 0.3278, 0.2215 by changing the saturation by 10% instead.

 44.5667, 0.3278,
0.2215


 44.5667, 0.3278,
0.2215

365.0158, 0.3224,
0.2701


 31.1163, 0.3286,
0.2108


 82.0698, 0.3262,
0.2380

 20.6874, 0.3295,
0.1979


 106.8913, 0.3255,
0.2446

 12.8957, 0.3301,
0.1820


 136.2719, 0.3249,
0.2502

 7.3568, 0.3304,
0.1620

170.5960, 0.3243,
0.2552

 3.6862, 0.3297,
0.1364

210.2481, 0.3237,
0.2596

 1.4996, 0.3265,
0.1033

255.6125, 0.3232,

 0.2885, 0.3226,

0.2634

0.0437

307.0736, 0.3228,
0.2669

■ 0.0000, 0.2899,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.5667, 0.3278,
0.2215

■ 44.5667, 0.3278,
0.2215

■ 38.2716, 0.3315,
0.2029

■ 52.5577, 0.3242,
0.2426

■ 33.5483, 0.3352,
0.1877

■ 62.3574, 0.3208,
0.2652

■ 30.2545, 0.3387,
0.1768

■ 74.0682, 0.3176,
0.2884

■ 28.2230, 0.3420,
0.1703

■ 87.7852, 0.3147,
0.3115

■ 27.2299, 0.3450,
0.1680

100.0000, 0.3127,
0.3290

■ 27.0820, 0.3456,
0.1677

Harmonies

Analogous

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



44.5667, 0.2367, 0.1916



44.5667, 0.3278, 0.2215



44.5667, 0.4296, 0.2723

Triad

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



44.5667, 0.3278, 0.2215



44.5667, 0.4485, 0.4708



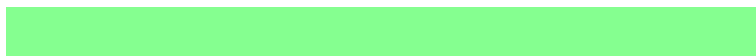
44.5667, 0.1574, 0.2791

Complementary

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



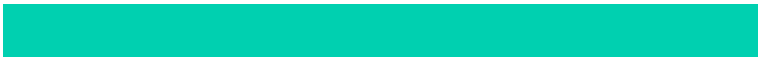
44.5667, 0.3278, 0.2215



78.5222, 0.3006, 0.4677

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.



44.5667, 0.1986, 0.3848



44.5667, 0.3278, 0.2215



44.5667, 0.3659, 0.5131

Square

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



44.5667, 0.3278, 0.2215



44.5667, 0.5004, 0.4035



44.5667, 0.2745, 0.4857



44.5667, 0.1516, 0.2136

Rectangle

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



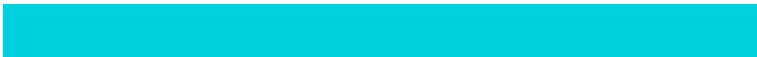
44.5667, 0.3278, 0.2215



44.5667, 0.4811, 0.3134



44.5667, 0.2745, 0.4857



44.5667, 0.1669, 0.3108

Sweetspot

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



44.5665, 0.3278, 0.2215



79.0934, 0.3165, 0.2973



29.8524, 0.2277, 0.1798



16.3170, 0.3171, 0.2923



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.



44.5665, 0.3278, 0.2215



38.7381, 0.3312, 0.2043



41.4911, 0.3886, 0.2767



18.2704, 0.3152, 0.3077



14.1626, 0.3451, 0.1675



1.3869, 0.3420, 0.1658

Inverse Universe

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



44.5665, 0.3278, 0.2215



38.7381, 0.3312, 0.2043



80.8750, 0.2721, 0.3905



18.2704, 0.3152, 0.3077



14.1626, 0.3451, 0.1675



1.3869, 0.3420, 0.1658

Previews

White Background



This preview shows how the Yxy color 44.5667, 0.3278, 0.2215 looks on a white background.

Color Contrast Check

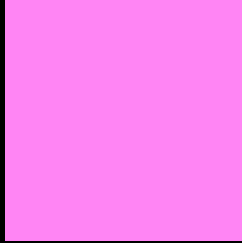
Large Text (above 18pt) WCAG AA × Fail

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 44.5667, 0.3278, 0.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

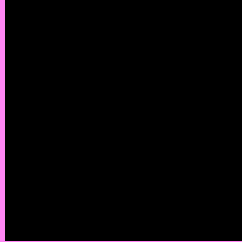
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5667, 0.3278, 0.2215

Background



This preview shows how black text looks on a background with the Yxy color 44.5667, 0.3278, 0.2215.



This preview shows how white text looks on a background with the Yxy color 44.5667, 0.3278, 0.2215.

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

44.5667, 0.3278, 0.2215

Protanopia

44.9461, 0.2419, 0.2337

Deuteranopia

44.9993, 0.2603, 0.2548



Tritanopia

44.5133, 0.3955, 0.3172

Trichromacy



Original Color

44.5667, 0.3278, 0.2215



Protanomaly

42.9255, 0.2672, 0.2250



Deuteranomaly

43.2439, 0.2816, 0.2380



Tritanomaly

44.1963, 0.3711, 0.2794

Monochromacy



Original Color

44.5667, 0.3278, 0.2215



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.5140, 0.3186, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5667, 0.3278, 0.2215 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 133, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 133, 244) }
```

Border

The CSS property to change the border of an element to Yxy 44.5667, 0.3278, 0.2215 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, 244) }
```

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

```
.border{ border-color:rgb(255, 133, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 133, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 133, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 133,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5667, 0.3278, 0.2215 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, 244) }
```

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

```
.background{ background-color: rgb(255,  
133, 244) }
```

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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