

Converting Colors

$Y_{xy}(50.1965, 0.3368, 0.2252)$

Have a look what the booklet for
Yxy(50.1965, 0.3368, 0.2252)
contains.

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Color

Yxy(46.4652, 0.3205, 0.2193)

Conversions

Conversions Part 1

Format	Color
Hex	FF8AFC
RGB	255, 138, 252
RGB Percent	100%, 54%, 99%
CMY	0.0000, 0.4589, 0.0117
CMYK	0.00, 0.46, 0.01, 0.00
HSL	302°, 100%, 77%
HSV	302°, 46%, 100%
XYZ	67.9074, 46.4652, 97.5070
YIQ	185.9790, 33.1380, 60.2580

Conversions

Conversions Part 2

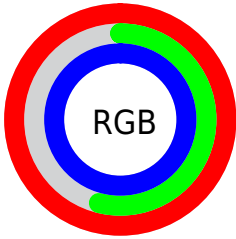
Format	Color
R _Y B	255, 138, 252
Decimal	16747260
CIE Lab	73.85, 59.72, -37.87
CIE LCh	74, 70.714, 327.620
Yxy	46.4652, 0.3205, 0.2193
Android (android.graphics.Color)	4294937340 (0xFFFF8AFC)
YUV	185.9790, 32.5484, 60.5314
Hunter-Lab	68.1654, 58.5350, -37.0955

Details

The Yxy color **46.4652, 0.3205, 0.2193** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.8442, 0.3046, 0.4704**, and the grayscale version is **48.8879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0636, 0.3155, 0.2693**, and **21.8624, 0.3201, 0.1960** is the 20% darker color. If you saturate the color by 10%, you get **39.9454, 0.3222, 0.1993**, and if you desaturate by 10%, it is **54.6992, 0.3187, 0.2418**.

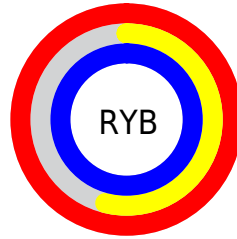
Distribution



Red (100%)

Green (54%)

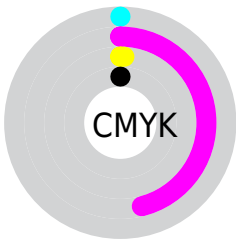
Blue (99%)



Red (100%)

Yellow (54%)

Blue (99%)

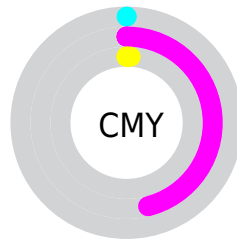


Cyan (0%)

Magenta (46%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4652, 0.3205, 0.2193 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 46.4652, 0.3205, 0.2193 by changing the saturation by 10% instead.

 46.4652, 0.3205,
0.2193


 46.4652, 0.3205,
0.2193

372.6758, 0.3187,
0.2684

 32.6131, 0.3205,
0.2086


 84.9148, 0.3202,
0.2359

 21.8302, 0.3202,
0.1957


 110.2810, 0.3200,
0.2425

 13.7322, 0.3195,
0.1800


 140.2541, 0.3198,
0.2482

 7.9346, 0.3179,
0.1603

175.2184, 0.3196,
0.2533

 4.0532, 0.3148,
0.1353

215.5583, 0.3194,
0.2577

 1.7033, 0.3083,
0.1033

261.6583, 0.3191,

 0.4258, 0.2967,

0.2617

0.0542

313.9026, 0.3189,
0.2652

0.0000, 0.2652,
0.0000

0.0000, 0.0000,
0.0000

46.4652, 0.3205,
0.2193

46.4652, 0.3205,
0.2193

39.9454, 0.3222,
0.1993

54.6992, 0.3187,
0.2418

35.0226, 0.3237,
0.1828

64.7626, 0.3170,
0.2658

31.5572, 0.3251,
0.1704

76.7545, 0.3153,
0.2905

29.3878, 0.3262,
0.1624

90.7687, 0.3136,
0.3150

■ 28.3141, 0.3272,
0.1586

100.0000, 0.3127,
0.3290

■ 28.0697, 0.3275,
0.1578

Harmonies

Analogous

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



46.4652, 0.2319, 0.1912



46.4652, 0.3205, 0.2193



46.4652, 0.4220, 0.2686

Triad

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



46.4652, 0.3205, 0.2193



46.4652, 0.4527, 0.4657



46.4652, 0.1601, 0.2860

Complementary

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



46.4652, 0.3205, 0.2193



78.8442, 0.3046, 0.4704

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.



46.4652, 0.2039, 0.3925



46.4652, 0.3205, 0.2193



46.4652, 0.3721, 0.5105

Square

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



46.4652, 0.3205, 0.2193



46.4652, 0.5010, 0.3984



46.4652, 0.2813, 0.4891



46.4652, 0.1519, 0.2177

Rectangle

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



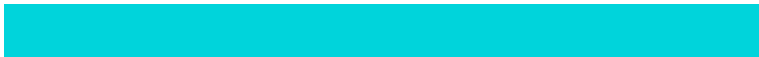
46.4652, 0.3205, 0.2193



46.4652, 0.4754, 0.3091



46.4652, 0.2813, 0.4891



46.4652, 0.1705, 0.3184

Sweetspot

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



46.4636, 0.3205, 0.2193



79.2414, 0.3149, 0.2952



30.9637, 0.2265, 0.1849



16.3535, 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.



46.4636, 0.3205, 0.2193



40.4571, 0.3220, 0.2010



43.3531, 0.3757, 0.2709



18.2919, 0.3142, 0.3062



14.6706, 0.3274, 0.1577



1.4309, 0.3266, 0.1573

Inverse Universe

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



46.4636, 0.3205, 0.2193



40.4571, 0.3220, 0.2010



81.0200, 0.2771, 0.3974



18.2919, 0.3142, 0.3062



14.6706, 0.3274, 0.1577



1.4309, 0.3266, 0.1573

Previews

White Background



This preview shows how the Yxy color 46.4652, 0.3205, 0.2193 looks on a white background.

Color Contrast Check

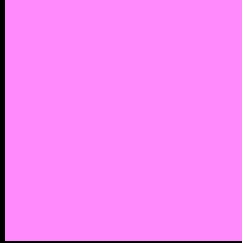
Large Text (above 18pt) WCAG AA × Fail

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 46.4652, 0.3205, 0.2193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

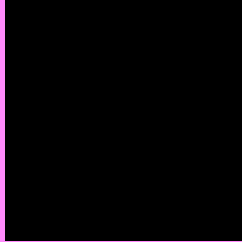
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4652, 0.3205, 0.2193

Background



This preview shows how black text looks on a background with the Yxy color 46.4652, 0.3205, 0.2193.



This preview shows how white text looks on a background with the Yxy color 46.4652, 0.3205, 0.2193.

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

46.4652, 0.3205, 0.2193

Protanopia

47.0306, 0.2457, 0.2394

Deuteranopia

46.7253, 0.2555, 0.2492



Tritanopia

46.3910, 0.3875, 0.3161

Trichromacy



Original Color

46.4652, 0.3205, 0.2193



Protanomaly

45.4035, 0.2688, 0.2288



Deuteranomaly

45.1985, 0.2756, 0.2340



Tritanomaly

46.0760, 0.3629, 0.2774

Monochromacy



Original Color

46.4652, 0.3205, 0.2193



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

46.8780, 0.3158, 0.2810

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4652, 0.3205, 0.2193 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, 138, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 138, 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, 138, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 138, 252) }
```

Border

The CSS property to change the border of an element to Yxy 46.4652, 0.3205, 0.2193 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, 138, 252) }
```

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

```
.border{ border-color:rgb(255, 138, 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, 138, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 138, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 138, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 138,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4652, 0.3205, 0.2193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 138, 252) }
```

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

```
.background{ background-color: rgb(255,  
138, 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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