

Converting Colors

$Y_{xy}(46.4232, 0.3203, 0.2284)$

Have a look what the booklet for
Yxy(46.4232, 0.3203, 0.2284)
contains.

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Color

Yxy(46.4955, 0.3201, 0.2284)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F890F5 |
| RGB | 248, 144, 245 |
| RGB Percent | 97%, 56%, 96% |
| CMY | 0.0275, 0.4352, 0.0393 |
| CMYK | 0.00, 0.42, 0.01, 0.03 |
| HSL | 302°, 88%, 77% |
| HSV | 302°, 42%, 97% |
| XYZ | 65.1629, 46.4955, 91.9121 |
| YIQ | 186.6100, 29.5630, 53.4590 |

Conversions

Conversions Part 2

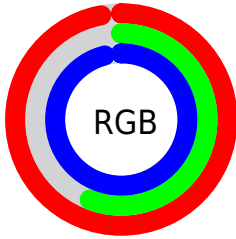
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 248, 144, 245 |
| Decimal | 16290037 |
| CIELab | 73.87, 53.53, -34.08 |
| CIElCh | 74, 63.456, 327.521 |
| Yxy | 46.4955, 0.3201, 0.2284 |
| Android (android.graphics.Color) | 4294480117 (0xFFFF890F5) |
| YUV | 186.6100, 28.7863, 53.8390 |
| Hunter-Lab | 68.1876, 51.2537, -32.1874 |

Details

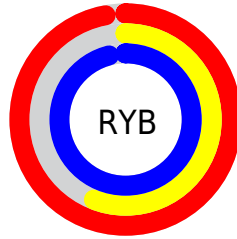
The Yxy color **46.4955, 0.3201, 0.2284** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **75.1712, 0.3051, 0.4556**, and the grayscale version is **49.2874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.7886, 0.3152, 0.2752**, and **21.8903, 0.3208, 0.2068** is the 20% darker color. If you saturate the color by 10%, you get **39.7479, 0.3219, 0.2074**, and if you desaturate by 10%, it is **54.8973, 0.3182, 0.2516**.

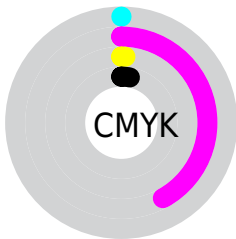
Distribution



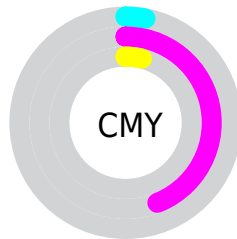
- Red (97%)
- Green (56%)
- Blue (96%)



- Red (97%)
- Yellow (56%)
- Blue (96%)



- Cyan (0%)
- Magenta (42%)
- Yellow (1%)
- Black (3%)




- Cyan (3%)
- Magenta (44%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.4955, 0.3201, 0.2284 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 46.4955, 0.3201, 0.2284 by changing the saturation by 10% instead.


 46.4955, 0.3201,
0.2284

 46.4955, 0.3201,
0.2284

372.7972, 0.3182,
0.2740

 32.6370, 0.3202,
0.2183


 84.9601, 0.3197,
0.2440

 21.8485, 0.3200,
0.2061


 110.3349, 0.3195,
0.2501

 13.7456, 0.3196,
0.1910


140.3174, 0.3193,
0.2554

 7.9440, 0.3184,
0.1719

175.2918, 0.3190,
0.2600

 4.0591, 0.3159,
0.1473

215.6426, 0.3188,
0.2641

 1.7067, 0.3103,
0.1150

261.7542, 0.3186,

 0.4280, 0.3005,

0.2678

0.0628

314.0109, 0.3184,
0.2710

0.0000, 0.2671,
0.0000

0.0000, 0.0000,
0.0000

46.4955, 0.3201,
0.2284

46.4955, 0.3201,
0.2284

39.7479, 0.3219,
0.2074

54.8973, 0.3182,
0.2516

34.5390, 0.3236,
0.1894


65.0464, 0.3164,
0.2758

30.7486, 0.3252,
0.1753


77.0362, 0.3147,
0.3004

28.2358, 0.3266,
0.1656


90.9519, 0.3130,
0.3245

 26.8309, 0.3277,
0.1602


 98.2893, 0.3121,
0.3352

 26.2955, 0.3284,
0.1583

 98.3342, 0.3117,
0.3345

 98.3792, 0.3112,
0.3338

 98.4244, 0.3108,
0.3331

 98.4698, 0.3104,
0.3324

Harmonies

Analogous

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



46.4955, 0.2394, 0.2024



46.4955, 0.3201, 0.2284



46.4955, 0.4108, 0.2743

Triad

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



46.4955, 0.3201, 0.2284



46.4955, 0.4422, 0.4555



46.4955, 0.1733, 0.2920

Complementary

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



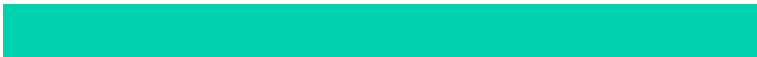
46.4955, 0.3201, 0.2284



75.1712, 0.3051, 0.4556

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.



46.4955, 0.2148, 0.3864



46.4955, 0.3201, 0.2284



46.4955, 0.3694, 0.4922

Square

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



46.4955, 0.3201, 0.2284



46.4955, 0.4839, 0.3954



46.4955, 0.2863, 0.4705



46.4955, 0.1649, 0.2287

Rectangle

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



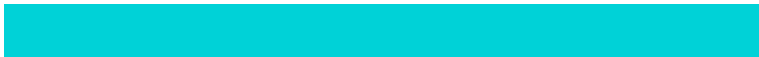
46.4955, 0.3201, 0.2284



46.4955, 0.4587, 0.3122



46.4955, 0.2863, 0.4705



46.4955, 0.1833, 0.3211

Sweetspot

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



46.4976, 0.3201, 0.2284



80.5812, 0.3149, 0.2977



32.8148, 0.2352, 0.1993



16.6167, 0.3152, 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.



46.4976, 0.3201, 0.2284



43.5524, 0.3216, 0.2111



43.8133, 0.3680, 0.2758



17.5154, 0.3143, 0.3063



14.2089, 0.3283, 0.1582



1.3187, 0.3274, 0.1577

Inverse Universe

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



46.4976, 0.3201, 0.2284



43.5524, 0.3216, 0.2111



77.1289, 0.2795, 0.3903



17.5154, 0.3143, 0.3063



14.2089, 0.3283, 0.1582



1.3187, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 46.4955, 0.3201, 0.2284 looks on a white background.

Color Contrast Check

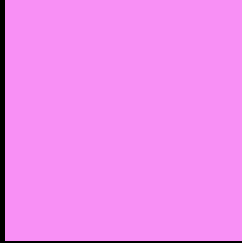
Large Text (above 18pt) WCAG AA × Fail

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 46.4955, 0.3201, 0.2284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

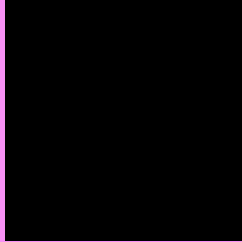
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.4955, 0.3201, 0.2284

Background



This preview shows how black text looks on a background with the Yxy color 46.4955, 0.3201, 0.2284.



This preview shows how white text looks on a background with the Yxy color 46.4955, 0.3201, 0.2284.

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

46.4955, 0.3201, 0.2284

Protanopia

47.1316, 0.2464, 0.2395

Deuteranopia

46.9072, 0.2624, 0.2561



Tritanopia

46.4709, 0.3779, 0.3158

Trichromacy



Original Color

46.4955, 0.3201, 0.2284



Protanomaly

45.6788, 0.2694, 0.2334



Deuteranomaly

45.6291, 0.2813, 0.2431



Tritanomaly

46.1120, 0.3556, 0.2804

Monochromacy



Original Color

46.4955, 0.3201, 0.2284



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.2352, 0.3156, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.4955, 0.3201, 0.2284 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(248, 144, 245)` looks like.

```
.text, #text, p{  
    color:rgb(248, 144, 245)  
}
```

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(248, 144, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 144, 245) }
```

Border

The CSS property to change the border of an element to Yxy 46.4955, 0.3201, 0.2284 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(248, 144, 245) }
```

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

```
.border{ border-color:rgb(248, 144, 245) }
```

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

Here you see how a box with a 4 pixel rgb(248, 144, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 144, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 144, 245);  
box-shadow:4px 4px 4px 4px rgb(248, 144,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4955, 0.3201, 0.2284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 144, 245) }
```

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

```
.background{ background-color: rgb(248,  
144, 245) }
```

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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