

Converting Colors

$Yxy(47.9605, 0.2807, 0.2025)$

Have a look what the booklet for
Yxy(47.9605, 0.2807, 0.2025)
contains.

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Color

Yxy(46.1885, 0.2983, 0.2214)

Conversions

Conversions Part 1

Format	Color
Hex	E896FF
RGB	232, 150, 255
RGB Percent	91%, 59%, 100%
CMY	0.0901, 0.4117, 0.0002
CMYK	0.09, 0.41, 0.00, 0.00
HSL	287°, 100%, 79%
HSV	287°, 41%, 100%
XYZ	62.2314, 46.1885, 100.2003
YIQ	186.4880, 15.1670, 50.0390

Conversions

Conversions Part 2

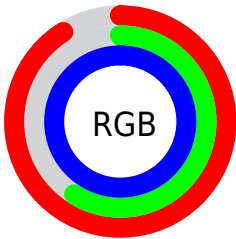
Format	Color
R_{YB}	232, 150, 255
Decimal	15243007
CIE _{Lab}	73.67, 47.67, -39.94
CIE _{LCh}	74, 62.189, 320.046
Yxy	46.1885, 0.2983, 0.2214
Android (android.graphics.Color)	4293433087 (0xFFE896FF)
YUV	186.4880, 33.7764, 39.9140
Hunter-Lab	67.9621, 44.5147, -39.8410

Details

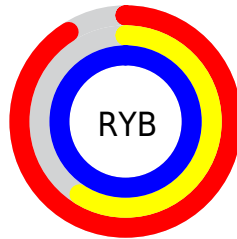
The Yxy color **46.1885, 0.2983, 0.2214** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **82.5684, 0.3199, 0.4518**, and the grayscale version is **49.1928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6226, 0.3150, 0.2811**, and **21.7406, 0.2927, 0.1980** is the 20% darker color. If you saturate the color by 10%, you get **38.0015, 0.2933, 0.1962**, and if you desaturate by 10%, it is **56.1789, 0.3027, 0.2480**.

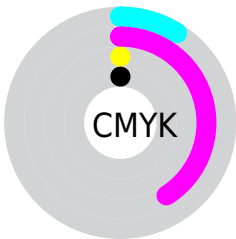
Distribution



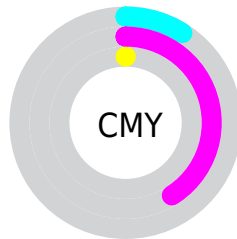
- Red (91%)
- Green (59%)
- Blue (100%)



- Red (91%)
- Yellow (59%)
- Blue (100%)



- Cyan (9%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)





- Cyan (9%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1885, 0.2983, 0.2214 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 46.1885, 0.2983, 0.2214 by changing the saturation by 10% instead.


 46.1885, 0.2983,
0.2214


 46.1885, 0.2983,
0.2214


371.5660, 0.3070,
0.2700

 32.3946, 0.2958,
0.2107


 84.5010, 0.3017,
0.2379

 21.6631, 0.2926,
0.1978


 109.7885, 0.3029,
0.2445

 13.6095, 0.2880,
0.1820


139.6758, 0.3039,
0.2501

 7.8496, 0.2816,
0.1621

174.5476, 0.3048,
0.2551

 3.9989, 0.2718,
0.1367

214.7881, 0.3054,
0.2595

 1.6729, 0.2559,
0.1041

260.7817, 0.3060,

 0.4060, 0.2308,

0.2634

0.0531

312.9129, 0.3066,
0.2669

0.0000, 0.1677,
0.0000

0.0000, 0.0000,
0.0000

46.1885, 0.2983,
0.2214

46.1885, 0.2983,
0.2214

38.0015, 0.2933,
0.1962

56.1789, 0.3027,
0.2480

31.4957, 0.2878,
0.1734

68.0725, 0.3066,
0.2748

26.5431, 0.2820,
0.1541

81.9688, 0.3098,
0.3011

22.9944, 0.2760,
0.1392

97.9587, 0.3124,
0.3262

■ 20.6702, 0.2701,
0.1290

99.9968, 0.3127,
0.3290

■ 19.3901, 0.2651,
0.1234

Harmonies

Analogous

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



46.1885, 0.2249, 0.2014



46.1885, 0.2983, 0.2214



46.1885, 0.3879, 0.2625

Triad

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



46.1885, 0.2983, 0.2214



46.1885, 0.4543, 0.4402



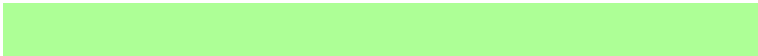
46.1885, 0.1825, 0.3139

Complementary

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



46.1885, 0.2983, 0.2214



82.5684, 0.3199, 0.4518

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.



46.1885, 0.2318, 0.4092



46.1885, 0.2983, 0.2214



46.1885, 0.3885, 0.4845

Square

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



46.1885, 0.2983, 0.2214



46.1885, 0.4841, 0.3792



46.1885, 0.3072, 0.4797



46.1885, 0.1662, 0.2425

Rectangle

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



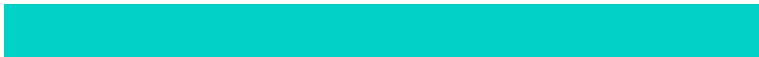
46.1885, 0.2983, 0.2214



46.1885, 0.4407, 0.2982



46.1885, 0.3072, 0.4797



46.1885, 0.1953, 0.3447

Sweetspot

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



46.1905, 0.2983, 0.2214



80.7601, 0.3096, 0.2989



44.1655, 0.2405, 0.2316



16.8771, 0.3092, 0.2955



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.



46.1905, 0.2983, 0.2214



39.6420, 0.2944, 0.2014



48.6102, 0.3416, 0.2517



18.0883, 0.3103, 0.3053



10.2046, 0.2660, 0.1239



1.0408, 0.2726, 0.1275

Inverse Universe

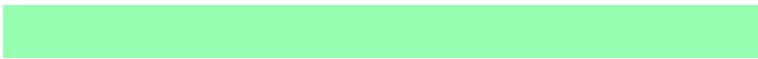
The Inverse Universe completely reimagines the original color for something new.



46.0811, 0.3951, 0.3052



39.6852, 0.4198, 0.3010



81.1871, 0.2930, 0.4221



18.0521, 0.3260, 0.3238



11.2745, 0.6029, 0.3095



1.1132, 0.5724, 0.2927

Previews

White Background



This preview shows how the Yxy color 46.1885, 0.2983, 0.2214 looks on a white background.

Color Contrast Check

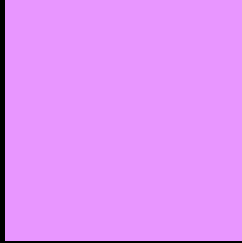
Large Text (above 18pt) WCAG AA × Fail

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 46.1885, 0.2983, 0.2214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

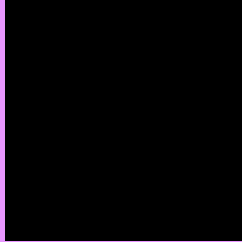
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1885, 0.2983, 0.2214

Background



This preview shows how black text looks on a background with the Yxy color 46.1885, 0.2983, 0.2214.



This preview shows how white text looks on a background with the Yxy color 46.1885, 0.2983, 0.2214.

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

46.1885, 0.2983, 0.2214

Protanopia

46.6283, 0.2456, 0.2382

Deuteranopia

46.5533, 0.2507, 0.2446



Tritanopia

45.8993, 0.3527, 0.3138

Trichromacy



Original Color

46.1885, 0.2983, 0.2214



Protanomaly

45.4156, 0.2619, 0.2295



Deuteranomaly

45.4094, 0.2658, 0.2336

Tritanomaly

45.6542, 0.3316, 0.2759

Monochromacy



Original Color

46.1885, 0.2983, 0.2214



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.2868, 0.3080, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1885, 0.2983, 0.2214 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(232, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 150, 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(232, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 150, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.1885, 0.2983, 0.2214 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(232, 150, 255) }
```

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

```
.border{ border-color:rgb(232, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 150,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1885, 0.2983, 0.2214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 150, 255) }
```

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

```
.background{ background-color: rgb(232,  
150, 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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