

Converting Colors

$Yxy(51.2028, 0.2572, 0.1805)$

Have a look what the booklet for
Yxy(51.2028, 0.2572, 0.1805)
contains.

Yxy(46.6605, 0.2958, 0.2235)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.6605, 0.2958, 0.2235)

Conversions

Conversions Part 1

Format	Color
Hex	E599FF
RGB	229, 153, 255
RGB Percent	90%, 60%, 100%
CMY	0.1019, 0.4000, 0.0000
CMYK	0.10, 0.40, 0.00, 0.00
HSL	285°, 100%, 80%
HSV	285°, 40%, 100%
XYZ	61.7547, 46.6605, 100.3566
YIQ	187.3520, 12.5540, 47.8340

Conversions

Conversions Part 2

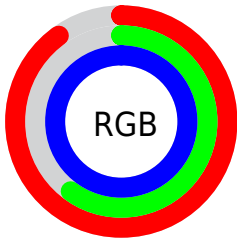
Format	Color
R _{YB}	229, 153, 255
Decimal	15047167
CIE _{Lab}	73.97, 45.25, -39.51
CIE _{LCh}	74, 60.072, 318.871
Yxy	46.6605, 0.2958, 0.2235
Android (android.graphics.Color)	4293237247 (0xFFE599FF)
YUV	187.3520, 33.3505, 36.5253
Hunter-Lab	68.3085, 41.8341, -39.2910

Details

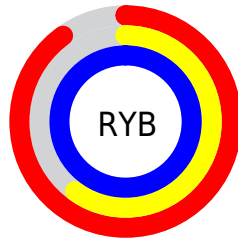
The Yxy color **46.6605, 0.2958, 0.2235** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **83.4018, 0.3221, 0.4470**, and the grayscale version is **49.7073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **21.9622, 0.2895, 0.2002** is the 20% darker color. If you saturate the color by 10%, you get **38.1389, 0.2899, 0.1975**, and if you desaturate by 10%, it is **57.0095, 0.3011, 0.2506**.

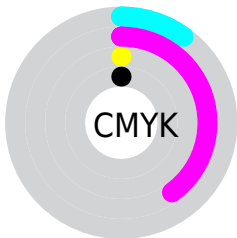
Distribution



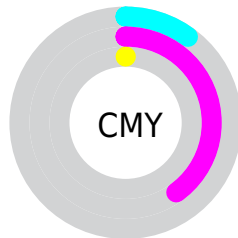
- Red (90%)
- Green (60%)
- Blue (100%)



- Red (90%)
- Yellow (60%)
- Blue (100%)



- Cyan (10%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6605, 0.2958, 0.2235 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 46.6605, 0.2958, 0.2235 by changing the saturation by 10% instead.


 46.6605, 0.2958,
0.2235

 46.6605, 0.2958,
0.2235


373.4578, 0.3056,
0.2712

 32.7673, 0.2931,
0.2130


 85.2066, 0.2996,
0.2398

 21.9483, 0.2895,
0.2003


 110.6284, 0.3009,
0.2462

 13.8189, 0.2847,
0.1846


140.6618, 0.3021,
0.2517

 7.9948, 0.2778,
0.1649

175.6913, 0.3030,
0.2566

 4.0916, 0.2674,
0.1398

216.1013, 0.3038,
0.2609

 1.7250, 0.2510,
0.1073

262.2761, 0.3045,

 0.4397, 0.2247,

0.2647

0.0574

314.6001, 0.3051,
0.2682

0.0000, 0.1593,
0.0000

0.0000, 0.0000,
0.0000

46.6605, 0.2958,
0.2235

46.6605, 0.2958,
0.2235

38.1389, 0.2899,
0.1975

57.0095, 0.3011,
0.2506

31.3237, 0.2834,
0.1736

69.2848, 0.3057,
0.2777

26.0884, 0.2765,
0.1531

83.5854, 0.3095,
0.3040

22.2861, 0.2695,
0.1369

99.9997, 0.3127,
0.3290

■ 19.7416, 0.2626, 99.9999, 0.3127,
0.1255 0.3290

■ 18.1690, 0.2560,
0.1184

■ 18.1688, 0.2560,
0.1184

Harmonies

Analogous

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



46.6605, 0.2256, 0.2050



46.6605, 0.2958, 0.2235



46.6605, 0.3819, 0.2628

Triad

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



46.6605, 0.2958, 0.2235



46.6605, 0.4519, 0.4352



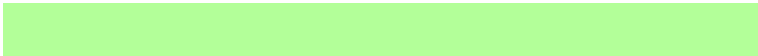
46.6605, 0.1880, 0.3183

Complementary

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



46.6605, 0.2958, 0.2235



83.4018, 0.3221, 0.4470

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.



46.6605, 0.2373, 0.4095



46.6605, 0.2958, 0.2235



46.6605, 0.3895, 0.4781

Square

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



46.6605, 0.2958, 0.2235



46.6605, 0.4783, 0.3761



46.6605, 0.3111, 0.4749



46.6605, 0.1706, 0.2478

Rectangle

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



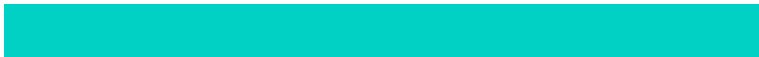
46.6605, 0.2958, 0.2235



46.6605, 0.4334, 0.2974



46.6605, 0.3111, 0.4749



46.6605, 0.2010, 0.3480

Sweetspot

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



46.6625, 0.2958, 0.2235



80.5575, 0.3088, 0.2988



46.7167, 0.2434, 0.2391



16.8292, 0.3083, 0.2954



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.



46.6625, 0.2958, 0.2235



39.7023, 0.2911, 0.2025



49.8241, 0.3375, 0.2507



18.0537, 0.3097, 0.3053



9.5687, 0.2570, 0.1190



0.9837, 0.2646, 0.1231

Inverse Universe

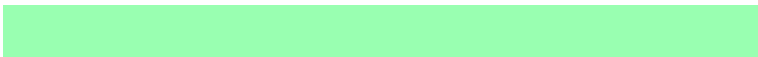
The Inverse Universe completely reimagines the original color for something new.



47.2978, 0.3879, 0.3020



40.5986, 0.4114, 0.2969



81.4576, 0.2951, 0.4232



18.0630, 0.3254, 0.3230



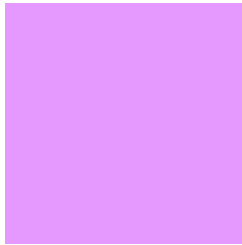
11.3284, 0.5920, 0.3035



1.1198, 0.5605, 0.2861

Previews

White Background



This preview shows how the Yxy color 46.6605, 0.2958, 0.2235 looks on a white background.

Color Contrast Check

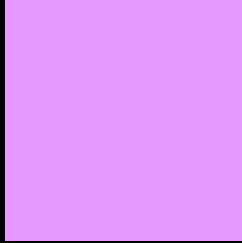
Large Text (above 18pt) WCAG AA × Fail

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 46.6605, 0.2958, 0.2235 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 46.6605, 0.2958, 0.2235

Background



This preview shows how black text looks on a background with the Yxy color 46.6605, 0.2958, 0.2235.



This preview shows how white text looks on a background with the Yxy color 46.6605, 0.2958, 0.2235.

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

46.6605, 0.2958, 0.2235

Protanopia

47.1316, 0.2464, 0.2395

Deuteranopia

47.1217, 0.2509, 0.2449



Tritanopia

46.6588, 0.3465, 0.3137

Trichromacy



Original Color

46.6605, 0.2958, 0.2235



Protanomaly

46.1598, 0.2621, 0.2318



Deuteranomaly

46.2168, 0.2654, 0.2350

Tritanomaly

46.3274, 0.3269, 0.2767

Monochromacy



Original Color

46.6605, 0.2958, 0.2235



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

47.9700, 0.3063, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6605, 0.2958, 0.2235 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(229, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 153, 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(229, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.6605, 0.2958, 0.2235 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(229, 153, 255) }
```

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

```
.border{ border-color:rgb(229, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6605, 0.2958, 0.2235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 153, 255) }
```

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

```
.background{ background-color: rgb(229,  
153, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor