

Converting Colors

$Y_{xy}(46.5432, 0.2952, 0.2233)$

Have a look what the booklet for
Yxy(46.5432, 0.2952, 0.2233)
contains.

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Color

Yxy(46.4964, 0.2950, 0.2232)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E499FF |
| RGB | 228, 153, 255 |
| RGB Percent | 89%, 60%, 100% |
| CMY | 0.1056, 0.4001, 0.0000 |
| CMYK | 0.11, 0.40, 0.00, 0.00 |
| HSL | 284°, 100%, 80% |
| HSV | 284°, 40%, 100% |
| XYZ | 61.4536, 46.4964, 100.3672 |
| YIQ | 187.0530, 11.9580, 47.6220 |

Conversions

Conversions Part 2

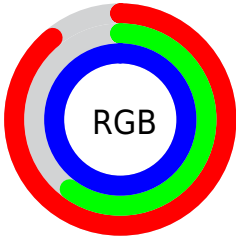
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 228, 153, 255 |
| Decimal | 14981631 |
| CIE Lab | 73.87, 45.00, -39.70 |
| CIE LCh | 74, 60.009, 318.578 |
| Yxy | 46.4964, 0.2950, 0.2232 |
| Android (android.graphics.Color) | 4293171711 (0xFFE499FF) |
| YUV | 187.0530, 33.4979, 35.9105 |
| Hunter-Lab | 68.1883, 41.5408, -39.5380 |

Details

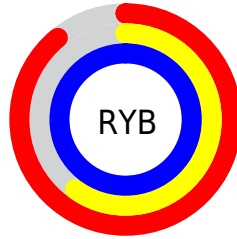
The Yxy color $46.4964, 0.2950, 0.2232$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $83.5113, 0.3227, 0.4469$, and the grayscale version is $49.5276, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.0809, 0.3148, 0.2841$, and $21.8495, 0.2884, 0.1998$ is the 20% darker color. If you saturate the color by 10%, you get $37.9441, 0.2888, 0.1970$, and if you desaturate by 10%, it is $56.8751, 0.3005, 0.2504$.

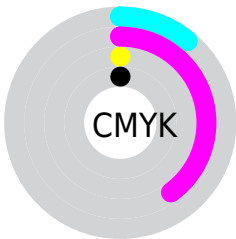
Distribution



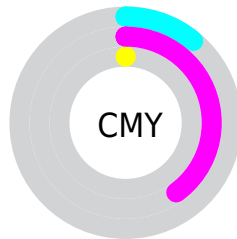
- Red (89%)
- Green (60%)
- Blue (100%)



- Red (89%)
- Yellow (60%)
- Blue (100%)



- Cyan (11%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.4964, 0.2950, 0.2232 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 46.4964, 0.2950, 0.2232 by changing the saturation by 10% instead.

 46.4964, 0.2950,
0.2232


 46.4964, 0.2950,
0.2232

372.8008, 0.3052,
0.2711

 32.6377, 0.2922,
0.2127


 84.9614, 0.2989,
0.2395

 21.8491, 0.2885,
0.1999


 110.3365, 0.3003,
0.2460

 13.7460, 0.2835,
0.1842


140.3193, 0.3015,
0.2515

 7.9442, 0.2764,
0.1644

175.2940, 0.3025,
0.2564

 4.0593, 0.2658,
0.1392

215.6451, 0.3033,
0.2608

 1.7068, 0.2489,
0.1066

261.7570, 0.3040,

 0.4280, 0.2222,

0.2646

0.0561

314.0141, 0.3047,
0.2680

0.0000, 0.1543,
0.0000

0.0000, 0.0000,
0.0000

46.4964, 0.2950,
0.2232

46.4964, 0.2950,
0.2232

37.9441, 0.2888,
0.1970

56.8751, 0.3005,
0.2504

31.1027, 0.2821,
0.1730

69.1849, 0.3053,
0.2776

25.8438, 0.2750,
0.1524

83.5228, 0.3094,
0.3040

22.0205, 0.2677,
0.1360

99.9792, 0.3127,
0.3290

■ 19.4575, 0.2605,
0.1244

100.0000, 0.3127,
0.3290

■ 17.8698, 0.2537,
0.1171

Harmonies

Analogous

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



46.4964, 0.2250, 0.2049



46.4964, 0.2950, 0.2232



46.4964, 0.3811, 0.2624

Triad

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



46.4964, 0.2950, 0.2232



46.4964, 0.4523, 0.4347



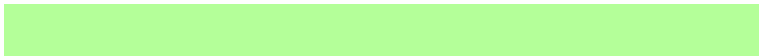
46.4964, 0.1883, 0.3191

Complementary

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



46.4964, 0.2950, 0.2232



83.5113, 0.3227, 0.4469

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.



46.4964, 0.2380, 0.4104



46.4964, 0.2950, 0.2232



46.4964, 0.3902, 0.4779

Square

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



46.4964, 0.2950, 0.2232



46.4964, 0.4783, 0.3756



46.4964, 0.3119, 0.4752



46.4964, 0.1706, 0.2483

Rectangle

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



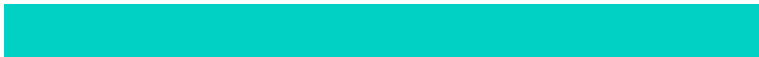
46.4964, 0.2950, 0.2232



46.4964, 0.4327, 0.2969



46.4964, 0.3119, 0.4752



46.4964, 0.2014, 0.3489

Sweetspot

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



46.4965, 0.2950, 0.2232



80.5063, 0.3086, 0.2988



46.7037, 0.2433, 0.2391



16.8171, 0.3081, 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.



46.4965, 0.2950, 0.2232



39.5234, 0.2901, 0.2022



49.8130, 0.3376, 0.2507



18.0450, 0.3095, 0.3053



9.4138, 0.2548, 0.1177



0.9697, 0.2626, 0.1220

Inverse Universe

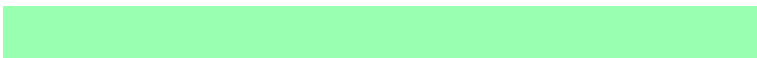
The Inverse Universe completely reimagines the original color for something new.



47.3241, 0.3870, 0.3010



40.6393, 0.4101, 0.2957



81.4548, 0.2951, 0.4232



18.0658, 0.3253, 0.3227



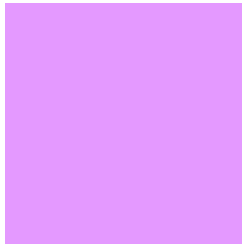
11.3434, 0.5891, 0.3019



1.1216, 0.5574, 0.2844

Previews

White Background



This preview shows how the Yxy color 46.4964, 0.2950, 0.2232 looks on a white background.

Color Contrast Check

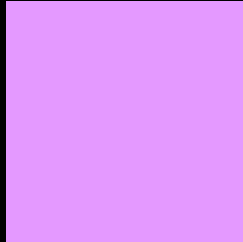
Large Text (above 18pt) WCAG AA × Fail

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 46.4964, 0.2950, 0.2232 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 46.4964, 0.2950, 0.2232

Background



This preview shows how black text looks on a background with the Yxy color 46.4964, 0.2950, 0.2232.



This preview shows how white text looks on a background with the Yxy color 46.4964, 0.2950, 0.2232.

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

46.4964, 0.2950, 0.2232

Protanopia

46.7293, 0.2462, 0.2383

Deuteranopia

46.6159, 0.2501, 0.2435



Tritanopia

46.5050, 0.3456, 0.3136

Trichromacy



Original Color

46.4964, 0.2950, 0.2232



Protanomaly

46.0367, 0.2614, 0.2316



Deuteranomaly

46.0920, 0.2647, 0.2348

Tritanomaly

46.1700, 0.3260, 0.2765

Monochromacy



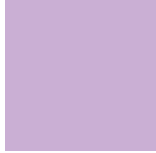
Original Color

46.4964, 0.2950, 0.2232



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 46.4964, 0.2950, 0.2232 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(228, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.4964, 0.2950, 0.2232 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(228, 153, 255) }
```

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

```
.border{ border-color:rgb(228, 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(228, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 153, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 153, 255); box-shadow:4px 4px 4px 4px rgb(228, 153, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.4964, 0.2950, 0.2232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 153, 255) }
```

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

```
.background{ background-color: rgb(228,  
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](#).

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