

# Converting Colors

$Yxy(60.4487, 0.2168, 0.1368)$

Have a look what the booklet for  
Yxy(60.4487, 0.2168, 0.1368)  
contains.

<b>Yxy(46.3388, 0.2925, 0.2235)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(46.3388, 0.2925, 0.2235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E19AFF
RGB	225, 154, 255
RGB Percent	88%, 60%, 100%
CMY	0.1178, 0.3960, 0.0000
CMYK	0.12, 0.40, 0.00, 0.00
HSL	282°, 100%, 80%
HSV	282°, 40%, 100%
XYZ	60.6447, 46.3388, 100.3489
YIQ	186.7430, 9.8950, 46.4630

# Conversions

## Conversions Part 2

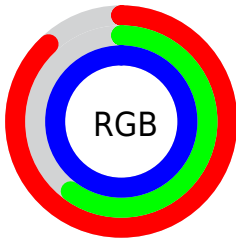
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 154, 255
Decimal	14785279
CIE Lab	73.76, 43.53, -39.87
CIE LCh	74, 59.027, 317.517
Yxy	46.3388, 0.2925, 0.2235
Android (android.graphics.Color)	4292975359 (0xFFE19AFF)
YUV	186.7430, 33.6507, 33.5514
Hunter-Lab	68.0726, 39.8956, -39.7512

# Details

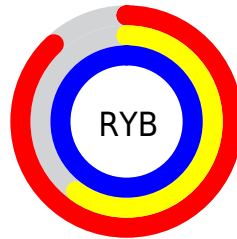
The Yxy color **46.3388, 0.2925, 0.2235** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **84.0483, 0.3247, 0.4447**, and the grayscale version is **49.3458, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **21.7094, 0.2852, 0.1997** is the 20% darker color. If you saturate the color by 10%, you get **37.6047, 0.2854, 0.1967**, and if you desaturate by 10%, it is **56.9187, 0.2988, 0.2511**.

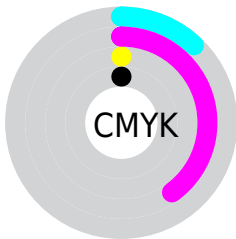
# Distribution



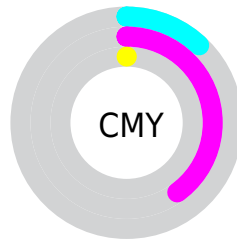
- Red (88%)
- Green (60%)
- Blue (100%)



- Red (88%)
- Yellow (60%)
- Blue (100%)



- Cyan (12%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (40%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3388, 0.2925, 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 46.3388, 0.2925, 0.2235 by changing the saturation by 10% instead.



 46.3388, 0.2925,  
0.2235


 46.3388, 0.2925,  
0.2235


372.1691, 0.3039,  
0.2714

 32.5133, 0.2894,  
0.2130


 84.7258, 0.2968,  
0.2398

 21.7538, 0.2854,  
0.2002


 110.0561, 0.2984,  
0.2463

 13.6761, 0.2800,  
0.1844


139.9900, 0.2997,  
0.2518

 7.8958, 0.2723,  
0.1646

174.9121, 0.3008,  
0.2567

 4.0283, 0.2610,  
0.1393

215.2066, 0.3018,  
0.2610

 1.6894, 0.2431,  
0.1065

261.2580, 0.3026,

 0.4168, 0.2151,

0.2649

0.0553

313.4507, 0.3033,  
0.2683

0.0000, 0.1408,  
0.0000

0.0000, 0.0000,  
0.0000

46.3388, 0.2925,  
0.2235

46.3388, 0.2925,  
0.2235

37.6047, 0.2854,  
0.1967

56.9187, 0.2988,  
0.2511

30.5957, 0.2778,  
0.1720

69.4433, 0.3043,  
0.2785

25.1857, 0.2697,  
0.1504

84.0115, 0.3090,  
0.3050

21.2283, 0.2615,  
0.1332

99.9995, 0.3127,  
0.3290

■ 18.5496, 0.2534,  
0.1208

■ 16.8775, 0.2457,  
0.1129

■ 16.8183, 0.2454,  
0.1126

# Harmonies

## Analogous

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



46.3388, 0.2243, 0.2062



46.3388, 0.2925, 0.2235



46.3388, 0.3771, 0.2616

# Triad

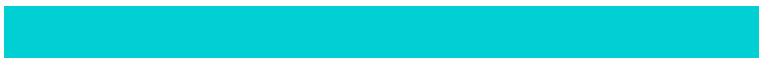
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.3388, 0.2925, 0.2235



46.3388, 0.4522, 0.4316



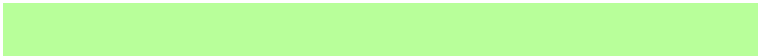
46.3388, 0.1912, 0.3224

# Complementary

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



46.3388, 0.2925, 0.2235



84.0483, 0.3247, 0.4447

# 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.



46.3388, 0.2414, 0.4120



46.3388, 0.2925, 0.2235



46.3388, 0.3920, 0.4748

# Square

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



46.3388, 0.2925, 0.2235



46.3388, 0.4760, 0.3732



46.3388, 0.3149, 0.4739



46.3388, 0.1725, 0.2515



# Rectangle

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



46.3388, 0.2925, 0.2235



46.3388, 0.4285, 0.2955



46.3388, 0.3149, 0.4739



46.3388, 0.2045, 0.3520

# Sweetspot

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



46.3407, 0.2925, 0.2235



80.3206, 0.3079, 0.2988



48.5061, 0.2448, 0.2444



16.7733, 0.3073, 0.2953



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.



46.3407, 0.2925, 0.2235



38.8812, 0.2866, 0.2009



50.3663, 0.3343, 0.2484



18.0132, 0.3090, 0.3052



8.8696, 0.2467, 0.1133



0.9203, 0.2553, 0.1180



# Inverse Universe

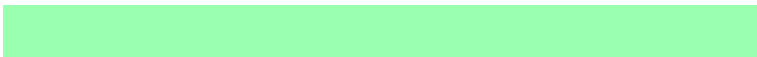
The Inverse Universe completely reimagines the original color for something new.



47.8433, 0.3825, 0.2978



40.7909, 0.4054, 0.2915



81.4530, 0.2970, 0.4262



18.0760, 0.3247, 0.3220



11.4032, 0.5777, 0.2956

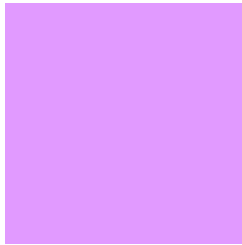


1.1285, 0.5457, 0.2780



# Previews

## White Background



This preview shows how the Yxy color 46.3388, 0.2925, 0.2235 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

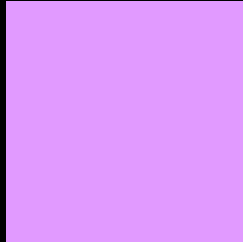
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.3388, 0.2925, 0.2235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

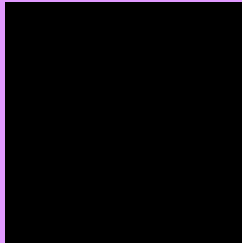
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.3388, 0.2925, 0.2235**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.3388, 0.2925, 0.2235.



This preview shows how white text looks on a background with the Yxy color 46.3388, 0.2925, 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

46.3388, 0.2925, 0.2235

### Protanopia

46.6283, 0.2456, 0.2382

### Deuteranopia

46.6159, 0.2501, 0.2435



## Tritanopia

46.0910, 0.3419, 0.3123

# Trichromacy



## Original Color

46.3388, 0.2925, 0.2235



## Protanomaly

45.9145, 0.2607, 0.2315



## Deuteranomaly

45.9681, 0.2639, 0.2346



## Tritanomaly

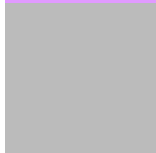
46.0598, 0.3232, 0.2772

# Monochromacy



## Original Color

46.3388, 0.2925, 0.2235



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

47.8309, 0.3055, 0.2848

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3388, 0.2925, 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(225, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 154, 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(225, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 154, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3388, 0.2925, 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(225, 154, 255) }
```

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

```
.border{ border-color:rgb(225, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 154,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3388, 0.2925, 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(225, 154, 255) }
```

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

```
.background{ background-color: rgb(225,  
154, 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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