

# Converting Colors

$Y_{xy}(47.0783, 0.2741, 0.2173)$

Have a look what the booklet for  
Yxy(47.0783, 0.2741, 0.2173)  
contains.

<b>Yxy(46.2105, 0.2815, 0.2263)</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(46.2105, 0.2815, 0.2263)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3A0FF
RGB	211, 160, 255
RGB Percent	83%, 63%, 100%
CMY	0.1726, 0.3725, 0.0000
CMYK	0.17, 0.37, 0.00, 0.00
HSL	272°, 100%, 81%
HSV	272°, 37%, 100%
XYZ	57.4823, 46.2105, 100.5073
YIQ	186.0790, -0.0990, 40.3570

# Conversions

## Conversions Part 2

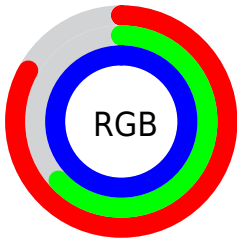
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	211, 160, 255
Decimal	13869311
CIE <sub>Lab</sub>	73.68, 36.27, -40.11
CIE <sub>LCh</sub>	74, 54.079, 312.124
Yxy	46.2105, 0.2815, 0.2263
Android (android.graphics.Color)	4292059391 (0xFFD3A0FF)
YUV	186.0790, 33.9781, 21.8557
Hunter-Lab	67.9783, 31.9773, -40.0767

# Details

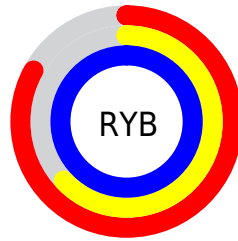
The Yxy color **46.2105, 0.2815, 0.2263** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **86.8994, 0.3344, 0.4336**, and the grayscale version is **48.9556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0809, 0.3145, 0.2900**, and **21.7709, 0.2719, 0.2036** is the 20% darker color. If you saturate the color by 10%, you get **36.5766, 0.2704, 0.1968**, and if you desaturate by 10%, it is **57.7879, 0.2915, 0.2558**.

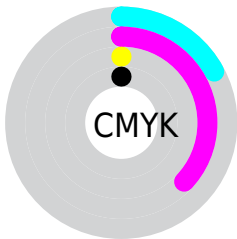
# Distribution



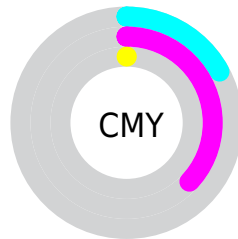
- Red (83%)
- Green (63%)
- Blue (100%)



- Red (83%)
- Yellow (63%)
- Blue (100%)



- Cyan (17%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)




- Cyan (17%)
- Magenta (37%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2105, 0.2815, 0.2263 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 46.2105, 0.2815, 0.2263 by changing the saturation by 10% instead.




 46.2105, 0.2815,  
0.2263


 46.2105, 0.2815,  
0.2263


371.6543, 0.2980,  
0.2733

 32.4120, 0.2773,  
0.2159


 84.5339, 0.2876,  
0.2424

 21.6764, 0.2719,  
0.2032


 109.8276, 0.2899,  
0.2487

 13.6193, 0.2647,  
0.1874


139.7218, 0.2918,  
0.2542

 7.8564, 0.2547,  
0.1676

174.6009, 0.2934,  
0.2590

 4.0032, 0.2405,  
0.1421

214.8493, 0.2948,  
0.2632

 1.6753, 0.2187,  
0.1088

260.8514, 0.2960,

 0.4076, 0.1854,

0.2669

0.0560

312.9916, 0.2970,  
0.2703

0.0000, 0.0813,  
0.0000

0.0000, 0.0000,  
0.0000

46.2105, 0.2815,  
0.2263

46.2105, 0.2815,  
0.2263

36.5766, 0.2704,  
0.1968

57.7879, 0.2915,  
0.2558

28.7687, 0.2583,  
0.1685

71.4104, 0.3004,  
0.2842

22.6610, 0.2458,  
0.1429

87.1760, 0.3079,  
0.3109

18.1099, 0.2334,  
0.1214

100.0000, 0.3127,  
0.3290

■ 14.9469, 0.2215,  
0.1050

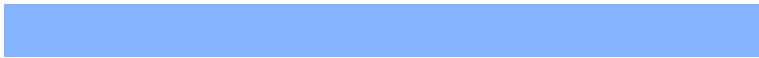
■ 12.9553, 0.2106,  
0.0942

■ 12.5248, 0.2078,  
0.0918

# Harmonies

## Analogous

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



46.2105, 0.2221, 0.2142



46.2105, 0.2815, 0.2263



46.2105, 0.3581, 0.2590

# Triad

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



46.2105, 0.2815, 0.2263



46.2105, 0.4490, 0.4164



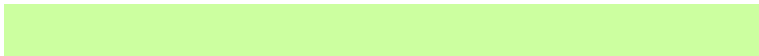
46.2105, 0.2067, 0.3380

# Complementary

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



46.2105, 0.2815, 0.2263



86.8994, 0.3344, 0.4336

# 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.



46.2105, 0.2587, 0.4178



46.2105, 0.2815, 0.2263



46.2105, 0.3988, 0.4588

# Square

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



46.2105, 0.2815, 0.2263



46.2105, 0.4620, 0.3615



46.2105, 0.3290, 0.4652



46.2105, 0.1833, 0.2679



# Rectangle

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



46.2105, 0.2815, 0.2263



46.2105, 0.4074, 0.2895



46.2105, 0.3290, 0.4652



46.2105, 0.2211, 0.3654

# Sweetspot

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



46.2116, 0.2815, 0.2263



81.0085, 0.3052, 0.3011



58.0415, 0.2519, 0.2697



16.8781, 0.3042, 0.2975



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.



46.2116, 0.2815, 0.2263



38.5819, 0.2730, 0.2034



53.4228, 0.3196, 0.2393



17.8578, 0.3063, 0.3050



6.6343, 0.2094, 0.0927



0.7110, 0.2213, 0.0993



# Inverse Universe

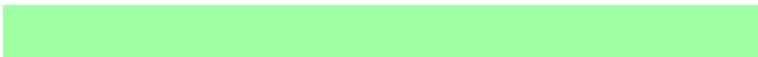
The Inverse Universe completely reimagines the original color for something new.



50.7659, 0.3615, 0.2836



43.9584, 0.3764, 0.2742



81.6453, 0.3058, 0.4389



18.1271, 0.3221, 0.3180



11.8237, 0.5120, 0.2594



1.1730, 0.4846, 0.2443



# Previews

## White Background



This preview shows how the Yxy color 46.2105, 0.2815, 0.2263 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

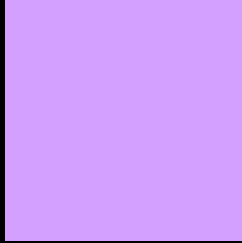
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.2105, 0.2815, 0.2263 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

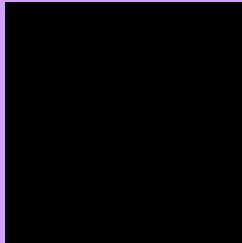
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.2105, 0.2815, 0.2263**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.2105, 0.2815, 0.2263.



This preview shows how white text looks on a background with the Yxy color 46.2105, 0.2815, 0.2263.

# 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

46.2105, 0.2815, 0.2263

### Protanopia

46.6283, 0.2456, 0.2382

### Deuteranopia

46.4743, 0.2483, 0.2423



## Tritanopia

46.1823, 0.3242, 0.3117

# Trichromacy



## Original Color

46.2105, 0.2815, 0.2263



## Protanomaly

46.0722, 0.2575, 0.2329



## Deuteranomaly

45.8804, 0.2592, 0.2357



## Tritanomaly

45.9668, 0.3082, 0.2779

# Monochromacy



## Original Color

46.2105, 0.2815, 0.2263



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

47.7495, 0.3012, 0.2877

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2105, 0.2815, 0.2263 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(211, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 160, 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(211, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 160, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2105, 0.2815, 0.2263 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(211, 160, 255) }
```

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

```
.border{ border-color:rgb(211, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 160,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2105, 0.2815, 0.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 160, 255) }
```

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

```
.background{ background-color: rgb(211,  
160, 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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