

Converting Colors

$Y_{xy}(46.6882, 0.2907, 0.2350)$

Have a look what the booklet for
Yxy(46.6882, 0.2907, 0.2350)
contains.

Yxy(46.8041, 0.2912, 0.2356)	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(46.8041, 0.2912, 0.2356)

Conversions

Conversions Part 1

Format	Color
Hex	D8A1F7
RGB	216, 161, 247
RGB Percent	85%, 63%, 97%
CMY	0.1530, 0.3686, 0.0312
CMYK	0.13, 0.35, 0.00, 0.03
HSL	278°, 84%, 80%
HSV	278°, 35%, 97%
XYZ	57.8495, 46.8041, 94.0055
YIQ	187.2490, 5.1740, 38.4060

Conversions

Conversions Part 2

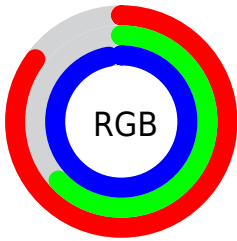
Format	Color
R _{YB}	216, 161, 247
Decimal	14197239
CIE Lab	74.06, 35.52, -35.16
CIE LCh	74, 49.980, 315.296
Yxy	46.8041, 0.2912, 0.2356
Android (android.graphics.Color)	4292387319 (0xFFD8A1F7)
YUV	187.2490, 29.4572, 25.2146
Hunter-Lab	68.4135, 31.2135, -33.5796

Details

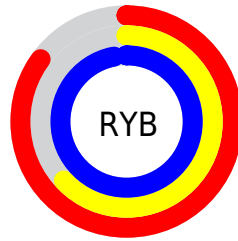
The Yxy color **46.8041, 0.2912, 0.2356** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **80.3302, 0.3273, 0.4278**, and the grayscale version is **49.6710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5917, 0.3145, 0.2910**, and **22.1286, 0.2845, 0.2152** is the 20% darker color. If you saturate the color by 10%, you get **37.6858, 0.2829, 0.2075**, and if you desaturate by 10%, it is **57.7055, 0.2986, 0.2638**.

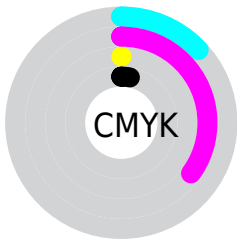
Distribution



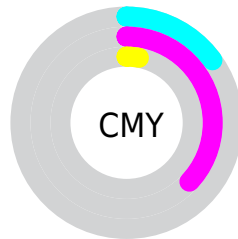
- Red (85%)
- Green (63%)
- Blue (97%)



- Red (85%)
- Yellow (63%)
- Blue (97%)



- Cyan (13%)
- Magenta (35%)
- Yellow (0%)
- Black (3%)




- Cyan (15%)
- Magenta (37%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8041, 0.2912, 0.2356 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 46.8041, 0.2912, 0.2356 by changing the saturation by 10% instead.


 46.8041, 0.2912,
0.2356

 46.8041, 0.2912,
0.2356

374.0320, 0.3029,
0.2786

 32.8808, 0.2881,
0.2259


 85.4211, 0.2956,
0.2504

 22.0352, 0.2841,
0.2141


 110.8837, 0.2972,
0.2562

 13.8827, 0.2787,
0.1994


140.9614, 0.2985,
0.2612

 8.0392, 0.2712,
0.1806

176.0388, 0.2997,
0.2656

 4.1200, 0.2600,
0.1561

216.5001, 0.3006,
0.2694

 1.7409, 0.2423,
0.1233

262.7298, 0.3015,

 0.4499, 0.2141,

0.2728

0.0698

315.1123, 0.3022,
0.2759

0.0000, 0.1096,
0.0000

0.0000, 0.0000,
0.0000

46.8041, 0.2912,
0.2356

46.8041, 0.2912,
0.2356

37.6858, 0.2829,
0.2075

57.7055, 0.2986,
0.2638

30.2428, 0.2738,
0.1805

70.4780, 0.3050,
0.2912

24.3642, 0.2641,
0.1560

85.2105, 0.3104,
0.3171

19.9230, 0.2541,
0.1353

98.8676, 0.3152,
0.3367

■ 16.7717, 0.2443,
0.1193

■ 99.4973, 0.3173,
0.3366

■ 14.7291, 0.2350,
0.1084

■ 13.9698, 0.2304,
0.1043

Harmonies

Analogous

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



46.8041, 0.2334, 0.2222



46.8041, 0.2912, 0.2356



46.8041, 0.3624, 0.2681

Triad

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



46.8041, 0.2912, 0.2356



46.8041, 0.4357, 0.4163



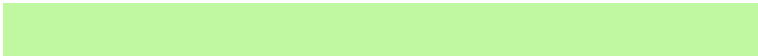
46.8041, 0.2108, 0.3302

Complementary

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



46.8041, 0.2912, 0.2356



80.3302, 0.3273, 0.4278

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.



46.8041, 0.2571, 0.4031



46.8041, 0.2912, 0.2356



46.8041, 0.3871, 0.4517

Square

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



46.8041, 0.2912, 0.2356



46.8041, 0.4512, 0.3660



46.8041, 0.3215, 0.4511



46.8041, 0.1914, 0.2677

Rectangle

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



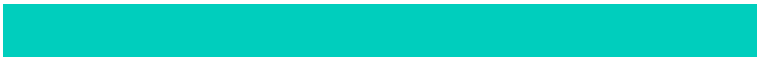
46.8041, 0.2912, 0.2356



46.8041, 0.4063, 0.2977



46.8041, 0.3215, 0.4511



46.8041, 0.2234, 0.3548

Sweetspot

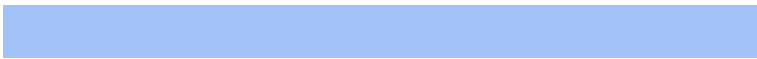
The Sweet Spot groups the original color and five complimentary colors.



46.8061, 0.2912, 0.2356



83.0911, 0.3077, 0.3039



52.2381, 0.2547, 0.2636



17.3137, 0.3069, 0.3002



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.



46.8061, 0.2912, 0.2356



43.0176, 0.2853, 0.2151



51.3046, 0.3262, 0.2528



16.4517, 0.3080, 0.3053



7.4690, 0.2319, 0.1051



0.7143, 0.2430, 0.1112

Inverse Universe

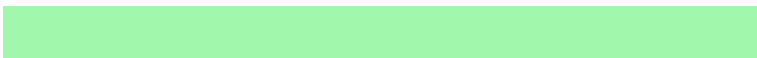
The Inverse Universe completely reimagines the original color for something new.



49.0828, 0.3655, 0.2958



45.9779, 0.3816, 0.2889



77.1162, 0.3017, 0.4195



16.5814, 0.3237, 0.3205



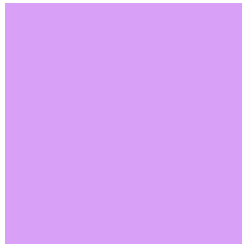
10.8657, 0.5535, 0.2823



0.9739, 0.5191, 0.2633

Previews

White Background



This preview shows how the Yxy color 46.8041, 0.2912, 0.2356 looks on a white background.

Color Contrast Check

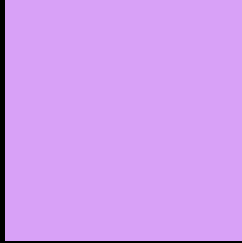
Large Text (above 18pt) WCAG AA × Fail

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 46.8041, 0.2912, 0.2356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

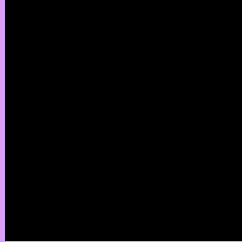
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8041, 0.2912, 0.2356

Background



This preview shows how black text looks on a background with the Yxy color 46.8041, 0.2912, 0.2356.



This preview shows how white text looks on a background with the Yxy color 46.8041, 0.2912, 0.2356.

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

46.8041, 0.2912, 0.2356

Protanopia

47.2334, 0.2470, 0.2397

Deuteranopia

47.2206, 0.2581, 0.2528



Tritanopia

46.7404, 0.3314, 0.3120

Trichromacy



Original Color

46.8041, 0.2912, 0.2356



Protanomaly

46.6187, 0.2615, 0.2374



Deuteranomaly

46.6091, 0.2693, 0.2459



Tritanomaly

46.6810, 0.3158, 0.2820

Monochromacy



Original Color

46.8041, 0.2912, 0.2356



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

48.4500, 0.3052, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8041, 0.2912, 0.2356 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(216, 161, 247)` looks like.

```
.text, #text, p{  
    color:rgb(216, 161, 247)  
}
```

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(216, 161, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 161, 247) }
```

Border

The CSS property to change the border of an element to Yxy 46.8041, 0.2912, 0.2356 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(216, 161, 247) }
```

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

```
.border{ border-color:rgb(216, 161, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 161, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 161, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 161, 247);  
box-shadow:4px 4px 4px 4px rgb(216, 161,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8041, 0.2912, 0.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 161, 247) }
```

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

```
.background{ background-color: rgb(216,  
161, 247) }
```

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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