

Converting Colors

$Y_{xy}(46.5832, 0.2817, 0.2274)$

Have a look what the booklet for
Yxy(46.5832, 0.2817, 0.2274)
contains.

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Color

Yxy(46.5586, 0.2816, 0.2274)

Conversions

Conversions Part 1

Format	Color
Hex	D3A1FF
RGB	211, 161, 255
RGB Percent	83%, 63%, 100%
CMY	0.1725, 0.3686, 0.0001
CMYK	0.17, 0.37, 0.00, 0.00
HSL	272°, 100%, 82%
HSV	272°, 37%, 100%
XYZ	57.6557, 46.5586, 100.5289
YIQ	186.6660, -0.3740, 39.8340

Conversions

Conversions Part 2

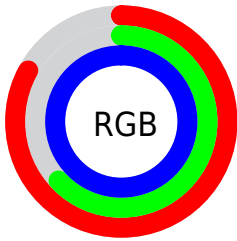
Format	Color
R _Y B	211, 161, 255
Decimal	13869567
CIE Lab	73.91, 35.73, -39.74
CIE LCh	74, 53.438, 311.960
Yxy	46.5586, 0.2816, 0.2274
Android (android.graphics.Color)	4292059647 (0xFFD3A1FF)
YUV	186.6660, 33.6887, 21.3409
Hunter-Lab	68.2339, 31.4182, -39.5882

Details

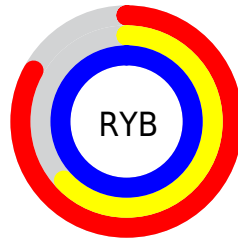
The Yxy color $46.5586, 0.2816, 0.2274$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87.0488, 0.3345, 0.4323$, and the grayscale version is $49.3047, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.5917, 0.3145, 0.2910$, and $21.9831, 0.2720, 0.2049$ is the 20% darker color. If you saturate the color by 10%, you get $36.8417, 0.2704, 0.1978$, and if you desaturate by 10%, it is $58.2269, 0.2917, 0.2569$.

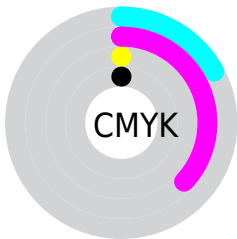
Distribution



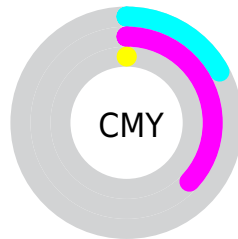
- Red (83%)
- Green (63%)
- Blue (100%)



- 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 46.5586, 0.2816, 0.2274 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 46.5586, 0.2816, 0.2274 by changing the saturation by 10% instead.

 46.5586, 0.2816,
0.2274

 46.5586, 0.2816,
0.2274

373.0499, 0.2980,
0.2739

 32.6868, 0.2774,
0.2171


 85.0544, 0.2877,
0.2433

 21.8867, 0.2720,
0.2045


 110.4472, 0.2899,
0.2496

 13.7736, 0.2649,
0.1889


140.4491, 0.2918,
0.2550

 7.9634, 0.2551,
0.1693

175.4446, 0.2934,
0.2597

 4.0715, 0.2409,
0.1439

215.8181, 0.2948,
0.2639

 1.7137, 0.2194,
0.1108

261.9538, 0.2960,

 0.4325, 0.1863,

0.2676

0.0590

314.2363, 0.2971,
0.2709

■ 0.0000, 0.0847,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.5586, 0.2816,
0.2274

■ 46.5586, 0.2816,
0.2274

■ 36.8417, 0.2704,
0.1978

■ 58.2269, 0.2917,
0.2569

■ 28.9564, 0.2583,
0.1694

■ 71.9453, 0.3005,
0.2852

■ 22.7786, 0.2457,
0.1435

■ 87.8126, 0.3082,
0.3119

■ 18.1652, 0.2331,
0.1218

99.9980, 0.3127,
0.3290

■ 14.9488, 0.2211,
0.1051

■ 12.9184, 0.2101,
0.0941

■ 12.4251, 0.2069,
0.0913

Harmonies

Analogous

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



46.5586, 0.2230, 0.2156



46.5586, 0.2816, 0.2274



46.5586, 0.3571, 0.2596

Triad

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



46.5586, 0.2816, 0.2274



46.5586, 0.4474, 0.4152



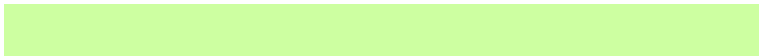
46.5586, 0.2083, 0.3385

Complementary

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



46.5586, 0.2816, 0.2274



87.0488, 0.3345, 0.4323

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.



46.5586, 0.2598, 0.4168



46.5586, 0.2816, 0.2274



46.5586, 0.3982, 0.4570

Square

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



46.5586, 0.2816, 0.2274



46.5586, 0.4599, 0.3610



46.5586, 0.3294, 0.4632



46.5586, 0.1849, 0.2691

Rectangle

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



46.5586, 0.2816, 0.2274



46.5586, 0.4057, 0.2898



46.5586, 0.3294, 0.4632



46.5586, 0.2226, 0.3654

Sweetspot

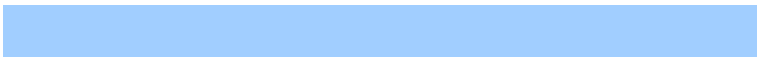
The Sweet Spot groups the original color and five complimentary colors.



46.5605, 0.2816, 0.2274



80.9861, 0.3052, 0.3011



59.1423, 0.2529, 0.2723



16.8728, 0.3041, 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.



46.5605, 0.2816, 0.2274



39.4319, 0.2737, 0.2062



53.8643, 0.3182, 0.2389



17.8536, 0.3063, 0.3050



6.5839, 0.2085, 0.0922



0.7061, 0.2204, 0.0988

Inverse Universe

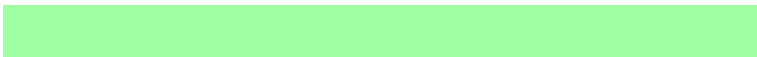
The Inverse Universe completely reimagines the original color for something new.



51.1531, 0.3604, 0.2837



44.7984, 0.3738, 0.2749



81.7074, 0.3067, 0.4394



18.1285, 0.3220, 0.3179



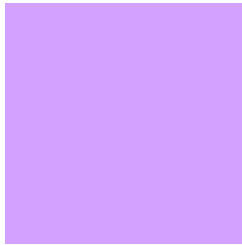
11.8382, 0.5101, 0.2584



1.1745, 0.4829, 0.2434

Previews

White Background



This preview shows how the Yxy color 46.5586, 0.2816, 0.2274 looks on a white background.

Color Contrast Check

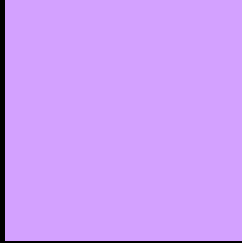
Large Text (above 18pt) WCAG AA × Fail

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 46.5586, 0.2816, 0.2274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

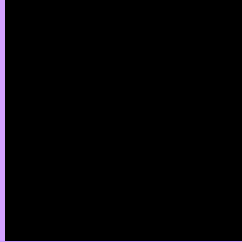
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5586, 0.2816, 0.2274

Background



This preview shows how black text looks on a background with the Yxy color 46.5586, 0.2816, 0.2274.

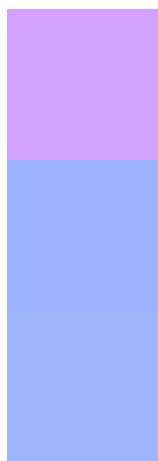


This preview shows how white text looks on a background with the Yxy color 46.5586, 0.2816, 0.2274.

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

46.5586, 0.2816, 0.2274

Protanopia

46.7293, 0.2462, 0.2383

Deuteranopia

46.9785, 0.2491, 0.2436



Tritanopia

46.5701, 0.3241, 0.3129

Trichromacy



Original Color

46.5586, 0.2816, 0.2274



Protanomaly

46.0722, 0.2575, 0.2329



Deuteranomaly

46.3804, 0.2601, 0.2371



Tritanomaly

46.3403, 0.3081, 0.2791

Monochromacy



Original Color

46.5586, 0.2816, 0.2274



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

48.3300, 0.3013, 0.2879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5586, 0.2816, 0.2274 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, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(211, 161, 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, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 46.5586, 0.2816, 0.2274 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, 161, 255) }
```

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

```
.border{ border-color:rgb(211, 161, 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, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(211, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5586, 0.2816, 0.2274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 161, 255) }
```

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

```
.background{ background-color: rgb(211,  
161, 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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