

Converting Colors

$Y_{xy}(46.2431, 0.2928, 0.2386)$

Have a look what the booklet for
Yxy(46.2431, 0.2928, 0.2386)
contains.

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Color

Yxy(46.2569, 0.2926, 0.2389)

Conversions

Conversions Part 1

Format	Color
Hex	D6A1F3
RGB	214, 161, 243
RGB Percent	84%, 63%, 95%
CMY	0.1607, 0.3686, 0.0472
CMYK	0.12, 0.34, 0.00, 0.05
HSL	279°, 77%, 79%
HSV	279°, 34%, 95%
XYZ	56.6545, 46.2569, 90.7131
YIQ	186.1950, 5.2660, 36.7380

Conversions

Conversions Part 2

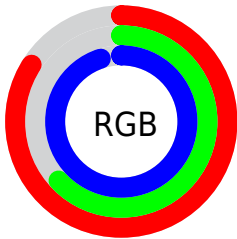
Format	Color
R _Y B	214, 161, 243
Decimal	14066163
CIE Lab	73.71, 34.10, -33.52
CIE LCh	74, 47.816, 315.498
Yxy	46.2569, 0.2926, 0.2389
Android (android.graphics.Color)	4292256243 (0xFFD6A1F3)
YUV	186.1950, 28.0049, 24.3850
Hunter-Lab	68.0124, 29.6692, -31.4707

Details

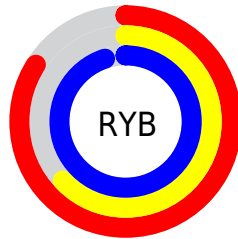
The Yxy color $46.2569, 0.2926, 0.2389$ is a light color, and the websafe version is hex $CC99FF$. A complement of this color would be $77.5983, 0.3265, 0.4244$, and the grayscale version is $49.0573, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.5917, 0.3145, 0.2910$, and $21.7942, 0.2852, 0.2178$ is the 20% darker color. If you saturate the color by 10%, you get $37.3184, 0.2846, 0.2108$, and if you desaturate by 10%, it is $56.9172, 0.2997, 0.2670$.

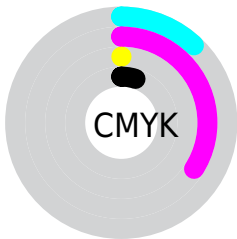
Distribution



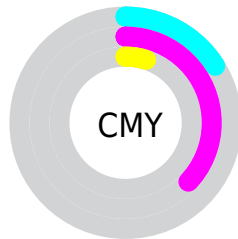
- Red (84%)
- Green (63%)
- Blue (95%)



- Red (84%)
- Yellow (63%)
- Blue (95%)



- Cyan (12%)
- Magenta (34%)
- Yellow (0%)
- Black (5%)




- Cyan (16%)
- Magenta (37%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2569, 0.2926, 0.2389 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 46.2569, 0.2926, 0.2389 by changing the saturation by 10% instead.

 46.2569, 0.2926,
0.2389


 46.2569, 0.2926,
0.2389


371.8405, 0.3035,
0.2806

 32.4486, 0.2897,
0.2295


 84.6033, 0.2967,
0.2533

 21.7044, 0.2859,
0.2179


 109.9103, 0.2982,
0.2590

 13.6398, 0.2808,
0.2034


139.8188, 0.2995,
0.2638

 7.8706, 0.2736,
0.1848

174.7135, 0.3005,
0.2680

 4.0123, 0.2628,
0.1603

214.9786, 0.3015,
0.2718

 1.6804, 0.2456,
0.1272

260.9985, 0.3022,

 0.4109, 0.2183,

0.2751

0.0699

313.1577, 0.3029,
0.2780

0.0000, 0.0900,
0.0000

0.0000, 0.0000,
0.0000

46.2569, 0.2926,
0.2389

46.2569, 0.2926,
0.2389

37.3184, 0.2846,
0.2108

56.9172, 0.2997,
0.2670

29.9989, 0.2758,
0.1838

69.3826, 0.3058,
0.2941

24.1934, 0.2663,
0.1592

83.7381, 0.3110,
0.3199

19.7818, 0.2566,
0.1382

98.0092, 0.3155,
0.3407

■ 16.6252, 0.2470,
0.1217

■ 99.2493, 0.3197,
0.3405

■ 14.5545, 0.2378,
0.1104

■ 13.6533, 0.2324,
0.1054

Harmonies

Analogous

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



46.2569, 0.2366, 0.2258



46.2569, 0.2926, 0.2389



46.2569, 0.3610, 0.2706

Triad

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



46.2569, 0.2926, 0.2389



46.2569, 0.4311, 0.4139



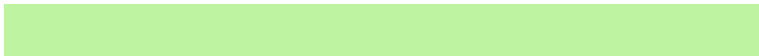
46.2569, 0.2143, 0.3299

Complementary

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



46.2569, 0.2926, 0.2389



77.5983, 0.3265, 0.4244

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.



46.2569, 0.2590, 0.3995



46.2569, 0.2926, 0.2389



46.2569, 0.3843, 0.4472

Square

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



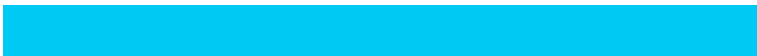
46.2569, 0.2926, 0.2389



46.2569, 0.4459, 0.3656



46.2569, 0.3211, 0.4457



46.2569, 0.1955, 0.2700

Rectangle

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



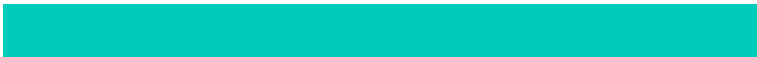
46.2569, 0.2926, 0.2389



46.2569, 0.4030, 0.2993



46.2569, 0.3211, 0.4457



46.2569, 0.2265, 0.3534

Sweetspot

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



46.2588, 0.2926, 0.2389



83.1274, 0.3078, 0.3039



51.3331, 0.2567, 0.2661



17.3225, 0.3071, 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.



46.2588, 0.2926, 0.2389



45.0587, 0.2876, 0.2210



50.3684, 0.3257, 0.2552



16.4584, 0.3081, 0.3053



7.5736, 0.2337, 0.1061



0.7230, 0.2447, 0.1121

Inverse Universe

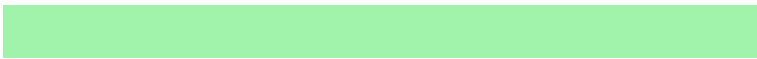
The Inverse Universe completely reimagines the original color for something new.



48.2554, 0.3638, 0.2976



47.7177, 0.3778, 0.2916



74.6372, 0.3021, 0.4161



16.5792, 0.3238, 0.3207



10.8483, 0.5566, 0.2840



0.9722, 0.5219, 0.2649

Previews

White Background



This preview shows how the Yxy color 46.2569, 0.2926, 0.2389 looks on a white background.

Color Contrast Check

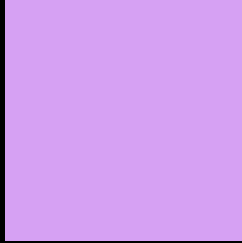
Large Text (above 18pt) WCAG AA × Fail

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 46.2569, 0.2926, 0.2389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

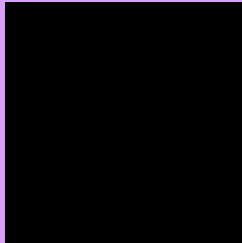
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2569, 0.2926, 0.2389

Background



This preview shows how black text looks on a background with the Yxy color 46.2569, 0.2926, 0.2389.



This preview shows how white text looks on a background with the Yxy color 46.2569, 0.2926, 0.2389.

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

46.2569, 0.2926, 0.2389

Protanopia

46.7293, 0.2462, 0.2383

Deuteranopia

46.3475, 0.2603, 0.2535



Tritanopia

46.0294, 0.3306, 0.3119

Trichromacy



Original Color

46.2569, 0.2926, 0.2389



Protanomaly

45.9351, 0.2605, 0.2369



Deuteranomaly

46.0463, 0.2711, 0.2477



Tritanomaly

45.9202, 0.3158, 0.2828

Monochromacy



Original Color

46.2569, 0.2926, 0.2389



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

47.6850, 0.3051, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2569, 0.2926, 0.2389 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(214, 161, 243)` looks like.

```
.text, #text, p{  
    color:rgb(214, 161, 243)  
}
```

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(214, 161, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 161, 243) }
```

Border

The CSS property to change the border of an element to Yxy 46.2569, 0.2926, 0.2389 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(214, 161, 243) }
```

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

```
.border{ border-color:rgb(214, 161, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 161, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 161, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 161, 243);  
box-shadow:4px 4px 4px 4px rgb(214, 161,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2569, 0.2926, 0.2389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 161, 243) }
```

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

```
.background{ background-color: rgb(214,  
161, 243) }
```

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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