

Converting Colors

$Y_{xy}(66.6277, 0.3036, 0.2889)$

Have a look what the booklet for
Yxy(66.6277, 0.3036, 0.2889)
contains.

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Color

Yxy(66.6277, 0.3036, 0.2889)

Conversions

Conversions Part 1

Format	Color
Hex	E4CDF3
RGB	228, 205, 243
RGB Percent	89%, 80%, 95%
CMY	0.1057, 0.1961, 0.0470
CMYK	0.06, 0.16, 0.00, 0.05
HSL	276°, 61%, 88%
HSV	276°, 16%, 95%
XYZ	70.0179, 66.6277, 93.9799
YIQ	216.2090, 1.5100, 16.6940

Conversions

Conversions Part 2

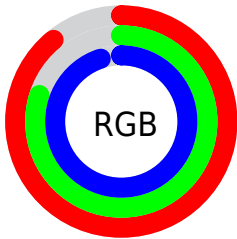
Format	Color
R _Y B	228, 205, 243
Decimal	14994931
CIE Lab	85.32, 14.87, -15.74
CIE LCh	85, 21.652, 313.362
Yxy	66.6277, 0.3036, 0.2889
Android (android.graphics.Color)	4293185011 (0xFFE4CDF3)
YUV	216.2090, 13.2080, 10.3407
Hunter-Lab	81.6258, 10.2706, -11.1255

Details

The Yxy color **66.6277, 0.3036, 0.2889** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.7297, 0.3206, 0.3698**, and the grayscale version is **68.7325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.4917, 0.3006, 0.2798** is the 20% darker color. If you saturate the color by 10%, you get **54.3721, 0.2965, 0.2612**, and if you desaturate by 10%, it is **80.7812, 0.3097, 0.3150**.

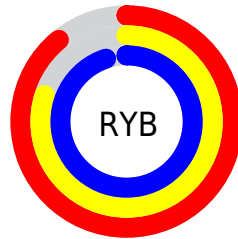
Distribution



Red (89%)

Green (80%)

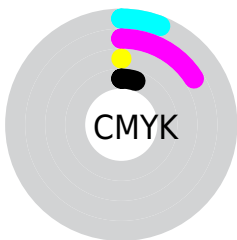
Blue (95%)



Red (89%)

Yellow (80%)

Blue (95%)

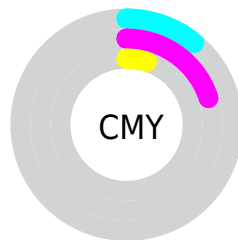


Cyan (6%)

Magenta (16%)

Yellow (0%)

Black (5%)



Cyan (11%)


Magenta (20%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6277, 0.3036, 0.2889 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 66.6277, 0.3036, 0.2889 by changing the saturation by 10% instead.


 66.6277, 0.3036,
0.2889

 66.6277, 0.3036,
0.2889

448.6184, 0.3081,
0.3072

 48.7821, 0.3025,
0.2848


114.3868, 0.3052,
0.2952

 34.4467, 0.3012,
0.2797


145.0691, 0.3058,
0.2977

 23.2370, 0.2994,
0.2734


180.7991, 0.3063,
0.2998

 14.7686, 0.2970,
0.2652

221.9612, 0.3068,
0.3017

 8.6571, 0.2936,
0.2541

268.9398, 0.3072,
0.3033

 4.5182, 0.2885,
0.2386

322.1192, 0.3075,

 1.9675, 0.2799,

0.3047

0.2152

381.8840, 0.3078,
0.3060

0.5885, 0.2656,
0.1690

0.0000, 0.0000,
0.0000

66.6277, 0.3036,
0.2889

66.6277, 0.3036,
0.2889

54.3721, 0.2965,
0.2612

80.7812, 0.3097,
0.3150

43.9214, 0.2882,
0.2327

96.9031, 0.3148,
0.3393

35.1873, 0.2790,
0.2042

99.2523, 0.3197,
0.3405

28.0709, 0.2690,
0.1768

■ 22.4623, 0.2584,
0.1520

■ 18.2381, 0.2476,
0.1310

■ 15.2539, 0.2371,
0.1148

■ 13.3322, 0.2272,
0.1039

■ 12.7098, 0.2231,
0.1003

Harmonies

Analogous

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



66.6277, 0.2798, 0.2844



66.6277, 0.3036, 0.2889



66.6277, 0.3309, 0.3029

Triad

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



66.6277, 0.3036, 0.2889



66.6277, 0.3623, 0.3654



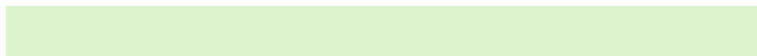
66.6277, 0.2727, 0.3328

Complementary

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



66.6277, 0.3036, 0.2889



83.7297, 0.3206, 0.3698

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.



66.6277, 0.2935, 0.3574



66.6277, 0.3036, 0.2889



66.6277, 0.3453, 0.3761

Square

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



66.6277, 0.3036, 0.2889



66.6277, 0.3656, 0.3459



66.6277, 0.3200, 0.3736



66.6277, 0.2626, 0.3084

Rectangle

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



66.6277, 0.3036, 0.2889



66.6277, 0.3473, 0.3161



66.6277, 0.3200, 0.3736



66.6277, 0.2787, 0.3414

Sweetspot

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



66.6305, 0.3036, 0.2889



91.1938, 0.3101, 0.3167



70.7409, 0.2880, 0.3040



19.2639, 0.3097, 0.3149



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.



66.6305, 0.3036, 0.2889



69.4489, 0.3013, 0.2797



68.9592, 0.3172, 0.2940



16.4239, 0.3075, 0.3052



7.0546, 0.2245, 0.1011



0.6795, 0.2364, 0.1076

Inverse Universe

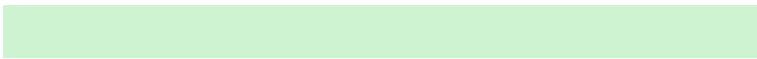
The Inverse Universe completely reimagines the original color for something new.



67.8793, 0.3311, 0.3134



71.1380, 0.3359, 0.3098



81.6840, 0.3085, 0.3667



16.5905, 0.3232, 0.3197



10.9425, 0.5406, 0.2752



0.9813, 0.5072, 0.2568

Previews

White Background



This preview shows how the Yxy color 66.6277, 0.3036, 0.2889 looks on a white background.

Color Contrast Check

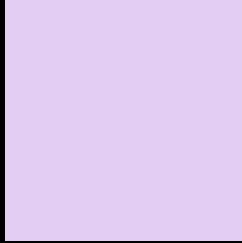
Large Text (above 18pt) WCAG AA × Fail

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 66.6277, 0.3036, 0.2889 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 66.6277, 0.3036, 0.2889

Background



This preview shows how black text looks on a background with the Yxy color 66.6277, 0.3036, 0.2889.



This preview shows how white text looks on a background with the Yxy color 66.6277, 0.3036, 0.2889.

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

66.6277, 0.3036, 0.2889

Protanopia

67.0678, 0.2865, 0.2909

Deuteranopia

66.7382, 0.2985, 0.2925



Tritanopia

66.5555, 0.3136, 0.3106

Trichromacy



Original Color

66.6277, 0.3036, 0.2889

Protanomaly

66.7018, 0.2925, 0.2892

Deuteranomaly

66.7244, 0.3006, 0.2917

Tritanomaly

66.6206, 0.3095, 0.3022

Monochromacy



Original Color

66.6277, 0.3036, 0.2889

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

67.7936, 0.3091, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6277, 0.3036, 0.2889 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(228, 205, 243)` looks like.

```
.text, #text, p{  
    color:rgb(228, 205, 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(228, 205, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 205, 243) }
```

Border

The CSS property to change the border of an element to Yxy 66.6277, 0.3036, 0.2889 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(228, 205, 243) }
```

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

```
.border{ border-color:rgb(228, 205, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 205, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 205, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 205, 243);  
box-shadow:4px 4px 4px 4px rgb(228, 205,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6277, 0.3036, 0.2889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 205, 243) }
```

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

```
.background{ background-color: rgb(228,  
205, 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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