

Converting Colors

$Y_{xy}(68.0835, 0.2540, 0.1982)$

Have a look what the booklet for
Yxy(68.0835, 0.2540, 0.1982)
contains.

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Color

Yxy(61.4481, 0.3014, 0.2615)

Conversions

Conversions Part 1

Format	Color
Hex	ECBDFE
RGB	236, 189, 255
RGB Percent	93%, 74%, 100%
CMY	0.0747, 0.2587, 0.0001
CMYK	0.07, 0.26, 0.00, 0.00
HSL	283°, 100%, 87%
HSV	283°, 26%, 100%
XYZ	70.8239, 61.4481, 102.7111
YIQ	210.5770, 6.8260, 30.4900

Conversions

Conversions Part 2

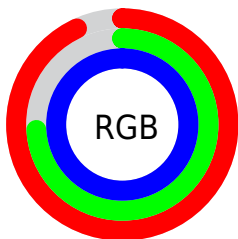
Format	Color
R _Y B	236, 189, 255
Decimal	15515135
CIE Lab	82.62, 28.22, -26.11
CIE LCh	83, 38.446, 317.215
Yxy	61.4481, 0.3014, 0.2615
Android (android.graphics.Color)	4293705215 (0xFFECCBDF)
YUV	210.5770, 21.9005, 22.2960
Hunter-Lab	78.3888, 24.0934, -22.8142

Details

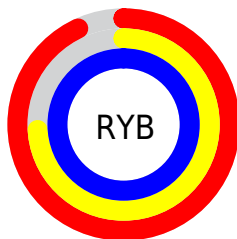
The Yxy color **61.4481, 0.3014, 0.2615** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **88.5945, 0.3210, 0.4007**, and the grayscale version is **64.6968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3915, 0.3131, 0.3204**, and **31.1085, 0.2985, 0.2464** is the 20% darker color. If you saturate the color by 10%, you get **50.1940, 0.2956, 0.2340**, and if you desaturate by 10%, it is **74.6875, 0.3064, 0.2886**.

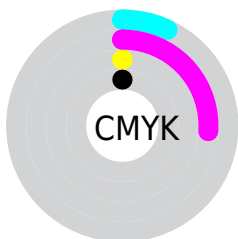
Distribution



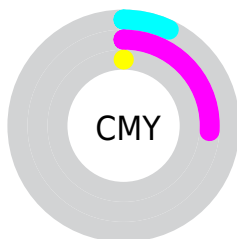
- Red (93%)
- Green (74%)
- Blue (100%)



- Red (93%)
- Yellow (74%)
- Blue (100%)



- Cyan (7%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.4481, 0.3014, 0.2615 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 61.4481, 0.3014, 0.2615 by changing the saturation by 10% instead.


 61.4481, 0.3014,
0.2615

 61.4481, 0.3014,
0.2615

429.9151, 0.3074,
0.2919

 44.5869, 0.2999,
0.2548


 106.9275, 0.3036,
0.2719

 31.1322, 0.2979,
0.2466


136.3145, 0.3044,
0.2760

 20.6995, 0.2953,
0.2364


170.6455, 0.3051,
0.2795

 12.9045, 0.2918,
0.2234

210.3049, 0.3057,
0.2826

 7.3628, 0.2866,
0.2064

255.6772, 0.3062,
0.2853

 3.6900, 0.2785,
0.1832

307.1468, 0.3066,

 1.5017, 0.2649,

0.2878

0.1502

365.0979, 0.3070,
0.2900

0.2899, 0.2459,
0.0735

0.0000, 0.0000,
0.0000

61.4481, 0.3014,
0.2615

61.4481, 0.3014,
0.2615

50.1940, 0.2956,
0.2340

74.6875, 0.3064,
0.2886

40.8158, 0.2891,
0.2069

89.9984, 0.3106,
0.3145

33.2054, 0.2818,
0.1814

99.9982, 0.3127,
0.3290

27.2401, 0.2741,
0.1587

■ 22.7813, 0.2662,
0.1399

■ 19.6671, 0.2583,
0.1258

■ 17.6967, 0.2507,
0.1166

■ 17.0946, 0.2477,
0.1138

Harmonies

Analogous

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



61.4481, 0.2581, 0.2508



61.4481, 0.3014, 0.2615



61.4481, 0.3514, 0.2869

Triad

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



61.4481, 0.3014, 0.2615



61.4481, 0.3996, 0.3961



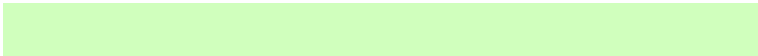
61.4481, 0.2379, 0.3282

Complementary

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



61.4481, 0.3014, 0.2615



88.5945, 0.3210, 0.4007

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.



61.4481, 0.2715, 0.3768



61.4481, 0.3014, 0.2615



61.4481, 0.3649, 0.4165

Square

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



61.4481, 0.3014, 0.2615



61.4481, 0.4106, 0.3612



61.4481, 0.3178, 0.4109



61.4481, 0.2238, 0.2848

Rectangle

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



61.4481, 0.3014, 0.2615



61.4481, 0.3810, 0.3097



61.4481, 0.3178, 0.4109



61.4481, 0.2471, 0.3447

Sweetspot

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



61.4507, 0.3014, 0.2615



86.5690, 0.3098, 0.3091



63.5494, 0.2699, 0.2776



18.0218, 0.3091, 0.3052



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.



61.4507, 0.3014, 0.2615



55.4405, 0.2985, 0.2474



64.0602, 0.3255, 0.2765



18.0218, 0.3091, 0.3052



9.0145, 0.2489, 0.1145



0.9335, 0.2573, 0.1191

Inverse Universe

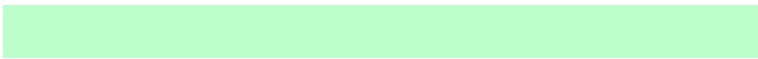
The Inverse Universe completely reimagines the original color for something new.



62.2188, 0.3523, 0.3095



56.4029, 0.3630, 0.3054



86.5993, 0.3021, 0.3880



18.0732, 0.3249, 0.3222



11.3862, 0.5809, 0.2974



1.1266, 0.5489, 0.2798

Previews

White Background



This preview shows how the Yxy color 61.4481, 0.3014, 0.2615 looks on a white background.

Color Contrast Check

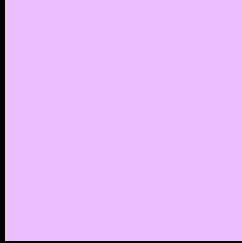
Large Text (above 18pt) WCAG AA × Fail

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 61.4481, 0.3014, 0.2615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

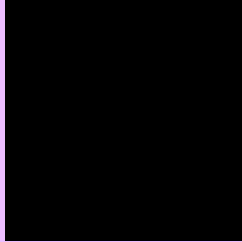
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

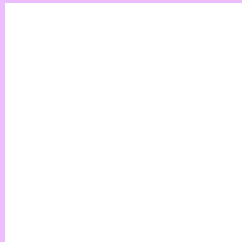
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.4481, 0.3014, 0.2615

Background



This preview shows how black text looks on a background with the Yxy color 61.4481, 0.3014, 0.2615.

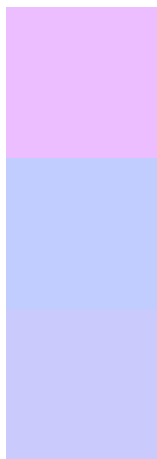


This preview shows how white text looks on a background with the Yxy color 61.4481, 0.3014, 0.2615.

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

61.4481, 0.3014, 0.2615

Protanopia

61.7432, 0.2719, 0.2724

Deuteranopia

61.8895, 0.2789, 0.2731



Tritanopia

61.5090, 0.3277, 0.3126

Trichromacy



Original Color

61.4481, 0.3014, 0.2615



Protanomaly

61.6222, 0.2822, 0.2685



Deuteranomaly

61.3844, 0.2862, 0.2679



Tritanomaly

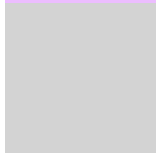
61.3408, 0.3176, 0.2926

Monochromacy



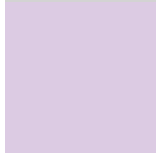
Original Color

61.4481, 0.3014, 0.2615



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

63.4736, 0.3087, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4481, 0.3014, 0.2615 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(236, 189, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 189, 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(236, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 189, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.4481, 0.3014, 0.2615 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(236, 189, 255) }
```

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

```
.border{ border-color:rgb(236, 189, 255) }
```

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

Here you see how a box with a 4 pixel rgb(236, 189, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 189, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 189, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 189,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.4481, 0.3014, 0.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 189, 255) }
```

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

```
.background{ background-color: rgb(236,  
189, 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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