

Converting Colors

$Yxy(68.5395, 0.3019, 0.3045)$

Have a look what the booklet for
Yxy(68.5395, 0.3019, 0.3045)
contains.

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Color

Yxy(68.6467, 0.3024, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	DBD5EB
RGB	219, 213, 235
RGB Percent	86%, 84%, 92%
CMY	0.1409, 0.1648, 0.0784
CMYK	0.07, 0.09, 0.00, 0.08
HSL	257°, 35%, 88%
HSV	257°, 9%, 92%
XYZ	68.0169, 68.6467, 88.2600
YIQ	217.3020, -3.4860, 8.1140

Conversions

Conversions Part 2

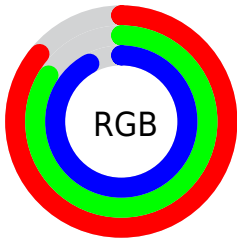
Format	Color
R _Y B	219, 213, 235
Decimal	14407147
CIE Lab	86.33, 6.16, -10.05
CIE LCh	86, 11.786, 301.488
Yxy	68.6467, 0.3024, 0.3052
Android (android.graphics.Color)	4292597227 (0xFFDDBD5EB)
YUV	217.3020, 8.7251, 1.4891
Hunter-Lab	82.8533, 1.5430, -5.1618

Details

The Yxy color $68.6467, 0.3024, 0.3052$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $80.8635, 0.3224, 0.3523$, and the grayscale version is $69.5538, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.6009, 0.3000, 0.2994$ is the 20% darker color. If you saturate the color by 10%, you get $55.1671, 0.2897, 0.2772$, and if you desaturate by 10%, it is $84.1146, 0.3134, 0.3305$.

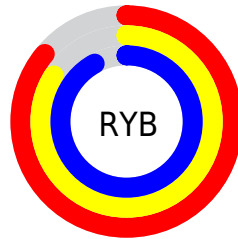
Distribution



Red (86%)

Green (84%)

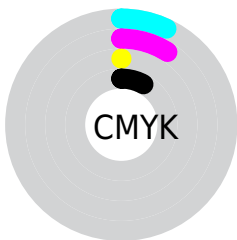
Blue (92%)



Red (86%)

Yellow (84%)

Blue (92%)

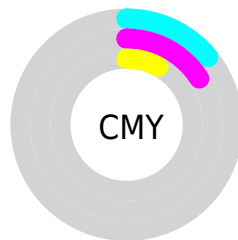


Cyan (7%)

Magenta (9%)

Yellow (0%)

Black (8%)



Cyan (14%)

Magenta (16%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6467, 0.3024, 0.3052 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 68.6467, 0.3024, 0.3052 by changing the saturation by 10% instead.

68.6467, 0.3024,
0.3052

68.6467, 0.3024,
0.3052

455.7839, 0.3073,
0.3162

50.4240, 0.3013,
0.3027

117.2768, 0.3041,
0.3090

35.7504, 0.2998,
0.2996

148.4531, 0.3048,
0.3105

24.2415, 0.2980,
0.2957

184.7159, 0.3053,
0.3118

15.5129, 0.2956,
0.2906

226.4499, 0.3058,
0.3129

9.1801, 0.2923,
0.2837

274.0392, 0.3063,
0.3139

4.8589, 0.2874,
0.2737

327.8684, 0.3066,

2.1647, 0.2794,

0.3147

0.2582

388.3219, 0.3070,
0.3155

0.7006, 0.2655,
0.2279

0.0000, 0.0000,
0.0000

68.6467, 0.3024,
0.3052

68.6467, 0.3024,
0.3052

55.1671, 0.2897,
0.2772

84.1146, 0.3134,
0.3305

43.5856, 0.2753,
0.2467

98.4164, 0.3232,
0.3484

33.8181, 0.2594,
0.2145

98.7780, 0.3244,
0.3483

25.7706, 0.2422,
0.1816

■ 19.3404, 0.2244,
0.1498

■ 14.4137, 0.2069,
0.1210

■ 10.8614, 0.1908,
0.0972

■ 8.5314, 0.1772,
0.0800

■ 7.1880, 0.1667,
0.0694

Harmonies

Analogous

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



68.6467, 0.2909, 0.3054



68.6467, 0.3024, 0.3052



68.6467, 0.3169, 0.3110

Triad

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



68.6467, 0.3024, 0.3052



68.6467, 0.3410, 0.3454



68.6467, 0.2950, 0.3366

Complementary

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



68.6467, 0.3024, 0.3052



80.8635, 0.3224, 0.3523

Split Complementary

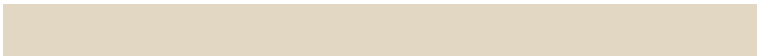
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.6467, 0.3081, 0.3481



68.6467, 0.3024, 0.3052



68.6467, 0.3348, 0.3529

Square

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



68.6467, 0.3024, 0.3052



68.6467, 0.3395, 0.3338



68.6467, 0.3226, 0.3541



68.6467, 0.2867, 0.3232

Rectangle

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



68.6467, 0.3024, 0.3052



68.6467, 0.3264, 0.3175



68.6467, 0.3226, 0.3541



68.6467, 0.2989, 0.3408

Sweetspot

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



68.6496, 0.3024, 0.3052



94.1807, 0.3096, 0.3216



76.2516, 0.2982, 0.3226



19.8337, 0.3087, 0.3196



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.



68.6496, 0.3024, 0.3052



79.7415, 0.3004, 0.3007



70.3795, 0.3101, 0.3058



14.7502, 0.3023, 0.3049



4.0165, 0.1675, 0.0696



0.3619, 0.1818, 0.0775

Inverse Universe

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



70.8957, 0.3179, 0.3123



82.9018, 0.3190, 0.3092



79.1432, 0.3150, 0.3528



15.2387, 0.3180, 0.3121



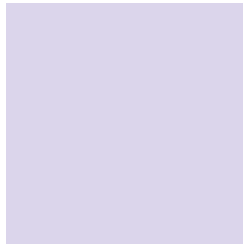
11.4697, 0.4056, 0.2008



0.9168, 0.3912, 0.1928

Previews

White Background



This preview shows how the Yxy color 68.6467, 0.3024, 0.3052 looks on a white background.

Color Contrast Check

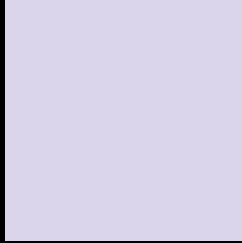
Large Text (above 18pt) WCAG AA × Fail

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 68.6467, 0.3024, 0.3052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

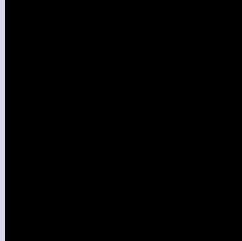
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

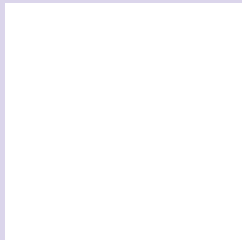
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.6467, 0.3024, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 68.6467, 0.3024, 0.3052.



This preview shows how white text looks on a background with the Yxy color 68.6467, 0.3024, 0.3052.

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

68.6467, 0.3024, 0.3052

Protanopia

68.9531, 0.2982, 0.3061

Deuteranopia

68.6433, 0.3082, 0.3014



Tritanopia

68.7681, 0.3042, 0.3105

Trichromacy



Original Color

68.6467, 0.3024, 0.3052

Protanomaly

68.7482, 0.2996, 0.3051

Deuteranomaly

68.6522, 0.3060, 0.3023

Tritanomaly

68.8248, 0.3036, 0.3094

Monochromacy



Original Color

68.6467, 0.3024, 0.3052

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.3990, 0.3088, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6467, 0.3024, 0.3052 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(219, 213, 235)` looks like.

```
.text, #text, p{  
    color:rgb(219, 213, 235)  
}
```

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(219, 213, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 213, 235) }
```

Border

The CSS property to change the border of an element to Yxy 68.6467, 0.3024, 0.3052 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(219, 213, 235) }
```

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

```
.border{ border-color:rgb(219, 213, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 213, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 213, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 213, 235);  
box-shadow:4px 4px 4px 4px rgb(219, 213,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6467, 0.3024, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 213, 235) }
```

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

```
.background{ background-color: rgb(219,  
213, 235) }
```

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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