

Converting Colors

Yxy(68.6959, 0.3064, 0.2949)

Have a look what the booklet for
Yxy(68.6959, 0.3064, 0.2949)
contains.

Yxy(68.7748, 0.3063, 0.2954)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.7748, 0.3063, 0.2954)

Conversions

Conversions Part 1

Format	Color
Hex	E6D1F1
RGB	230, 209, 241
RGB Percent	90%, 82%, 95%
CMY	0.0980, 0.1804, 0.0549
CMYK	0.05, 0.13, 0.00, 0.05
HSL	279°, 53%, 88%
HSV	279°, 13%, 95%
XYZ	71.3125, 68.7748, 92.7319
YIQ	218.9270, 2.2440, 14.4040

Conversions

Conversions Part 2

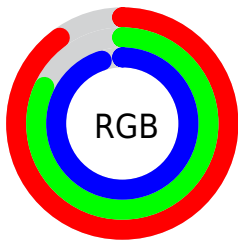
Format	Color
R _Y B	230, 209, 241
Decimal	15127025
CIE Lab	86.39, 12.99, -13.04
CIE LCh	86, 18.406, 314.896
Yxy	68.7748, 0.3063, 0.2954
Android (android.graphics.Color)	4293317105 (0xFFE6D1F1)
YUV	218.9270, 10.8820, 9.7110
Hunter-Lab	82.9306, 8.3648, -8.2459

Details

The Yxy color **68.7748, 0.3063, 0.2954** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.7261, 0.3183, 0.3634**, and the grayscale version is **70.7097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.9441, 0.3042, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **56.4960, 0.3004, 0.2683**, and if you desaturate by 10%, it is **82.9131, 0.3113, 0.3210**.

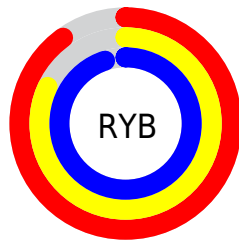
Distribution



Red (90%)

Green (82%)

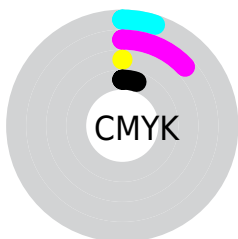
Blue (95%)



Red (90%)

Yellow (82%)

Blue (95%)

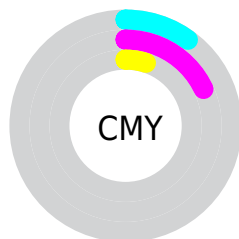


Cyan (5%)

Magenta (13%)

Yellow (0%)

Black (5%)



Cyan (10%)


Magenta (18%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7748, 0.3063, 0.2954 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 68.7748, 0.3063, 0.2954 by changing the saturation by 10% instead.


 68.7748, 0.3063,
0.2954

 68.7748, 0.3063,
0.2954


456.2363, 0.3094,
0.3107

 50.5283, 0.3055,
0.2920


117.4599, 0.3074,
0.3007

 35.8334, 0.3046,
0.2877


148.6672, 0.3078,
0.3027

 24.3055, 0.3033,
0.2824


184.9637, 0.3082,
0.3045

 15.5604, 0.3017,
0.2755

226.7337, 0.3085,
0.3061

 9.2136, 0.2993,
0.2663

274.3615, 0.3088,
0.3075

 4.8808, 0.2957,
0.2532

328.2317, 0.3090,

 2.1775, 0.2897,

0.3087

0.2334

388.7284, 0.3093,
0.3098

0.7077, 0.2788,
0.1976

0.0000, 0.0000,
0.0000

68.7748, 0.3063,
0.2954

68.7748, 0.3063,
0.2954

56.4960, 0.3004,
0.2683

82.9131, 0.3113,
0.3210

45.9870, 0.2936,
0.2404

97.5651, 0.3155,
0.3427

37.1635, 0.2859,
0.2125

99.0996, 0.3208,
0.3425

29.9312, 0.2774,
0.1856

99.1307, 0.3209,
0.3425

■ 24.1857, 0.2682,
0.1610

■ 19.8101, 0.2588,
0.1399

■ 16.6695, 0.2495,
0.1235

■ 14.6000, 0.2405,
0.1120

■ 13.6450, 0.2347,
0.1067

Harmonies

Analogous

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



68.7748, 0.2858, 0.2912



68.7748, 0.3063, 0.2954



68.7748, 0.3292, 0.3077

Triad

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



68.7748, 0.3063, 0.2954



68.7748, 0.3540, 0.3605



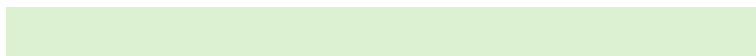
68.7748, 0.2783, 0.3313

Complementary

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



68.7748, 0.3063, 0.2954



82.7261, 0.3183, 0.3634

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.



68.7748, 0.2956, 0.3518



68.7748, 0.3063, 0.2954



68.7748, 0.3393, 0.3687

Square

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



68.7748, 0.3063, 0.2954



68.7748, 0.3573, 0.3445



68.7748, 0.3179, 0.3658



68.7748, 0.2701, 0.3109

Rectangle

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



68.7748, 0.3063, 0.2954



68.7748, 0.3427, 0.3191



68.7748, 0.3179, 0.3658



68.7748, 0.2832, 0.3384

Sweetspot

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



68.7777, 0.3063, 0.2954



93.0057, 0.3109, 0.3192



71.1981, 0.2918, 0.3064



19.6339, 0.3106, 0.3173



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.



68.7777, 0.3063, 0.2954



74.1136, 0.3048, 0.2880



70.3700, 0.3176, 0.3010



15.7440, 0.3083, 0.3053



7.4771, 0.2361, 0.1074



0.6768, 0.2473, 0.1136

Inverse Universe

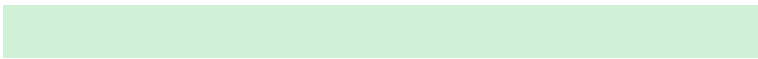
The Inverse Universe completely reimagines the original color for something new.



69.4691, 0.3291, 0.3175



75.0675, 0.3331, 0.3150



81.3093, 0.3082, 0.3587



15.8484, 0.3239, 0.3209



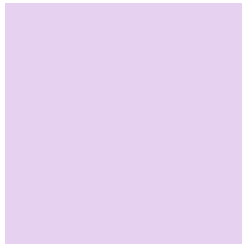
10.5004, 0.5602, 0.2859



0.8916, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 68.7748, 0.3063, 0.2954 looks on a white background.

Color Contrast Check

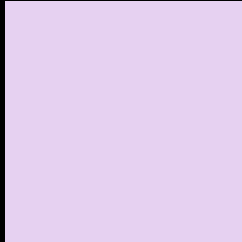
Large Text (above 18pt) WCAG AA × Fail

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 68.7748, 0.3063, 0.2954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

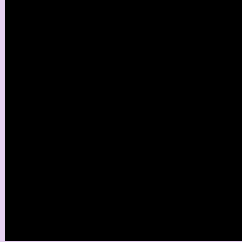
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

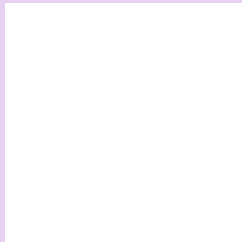
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7748, 0.3063, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 68.7748, 0.3063, 0.2954.



This preview shows how white text looks on a background with the Yxy color 68.7748, 0.3063, 0.2954.

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

68.7748, 0.3063, 0.2954

Protanopia

69.1905, 0.2912, 0.2966

Deuteranopia

68.6128, 0.3034, 0.2962



Tritanopia

68.6839, 0.3136, 0.3108

Trichromacy



Original Color

68.7748, 0.3063, 0.2954

Protanomaly

69.1802, 0.2966, 0.2959

Deuteranomaly

68.7750, 0.3041, 0.2963

Tritanomaly

68.6344, 0.3109, 0.3046

Monochromacy



Original Color

68.7748, 0.3063, 0.2954

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

69.8349, 0.3104, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7748, 0.3063, 0.2954 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(230, 209, 241)` looks like.

```
.text, #text, p{  
    color:rgb(230, 209, 241)  
}
```

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(230, 209, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 209, 241) }
```

Border

The CSS property to change the border of an element to Yxy 68.7748, 0.3063, 0.2954 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(230, 209, 241) }
```

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

```
.border{ border-color:rgb(230, 209, 241) }
```

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

Here you see how a box with a 4 pixel rgb(230, 209, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 209, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 209, 241);  
box-shadow:4px 4px 4px 4px rgb(230, 209,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7748, 0.3063, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 209, 241) }
```

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

```
.background{ background-color: rgb(230,  
209, 241) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor