

Converting Colors

$Y_{xy}(67.7390, 0.3151, 0.3085)$

Have a look what the booklet for
Yxy(67.7390, 0.3151, 0.3085)
contains.

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Color

Yxy(68.0254, 0.3151, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	E6D1E4
RGB	230, 209, 228
RGB Percent	90%, 82%, 89%
CMY	0.0981, 0.1804, 0.1057
CMYK	0.00, 0.09, 0.01, 0.10
HSL	306°, 30%, 86%
HSV	306°, 9%, 90%
XYZ	69.4357, 68.0254, 82.8998
YIQ	217.4450, 6.4170, 10.3610

Conversions

Conversions Part 2

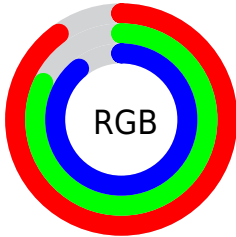
Format	Color
R _Y B	230, 209, 228
Decimal	15127012
CIE Lab	86.02, 10.58, -6.73
CIE LCh	86, 12.538, 327.536
Yxy	68.0254, 0.3151, 0.3087
Android (android.graphics.Color)	4293317092 (0xFFE6D1E4)
YUV	217.4450, 5.2036, 11.0107
Hunter-Lab	82.4775, 5.9389, -1.8593

Details

The Yxy color `68.0254, 0.3151, 0.3087` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `74.8370, 0.3104, 0.3502`, and the grayscale version is `69.6708, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `35.4585, 0.3149, 0.3040` is the 20% darker color. If you saturate the color by 10%, you get `57.4285, 0.3180, 0.2858`, and if you desaturate by 10%, it is `80.2584, 0.3125, 0.3309`.

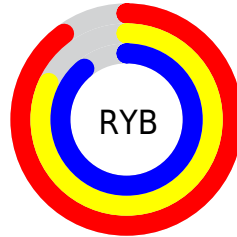
Distribution



Red (90%)

Green (82%)

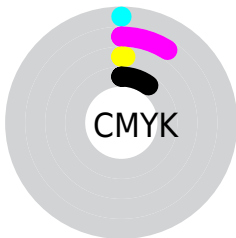
Blue (89%)



Red (90%)

Yellow (82%)

Blue (89%)

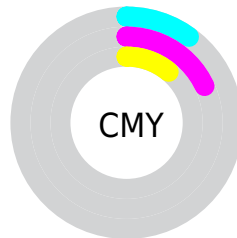


Cyan (0%)

Magenta (9%)

Yellow (1%)

Black (10%)



Cyan (10%)


Magenta (18%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0254, 0.3151, 0.3087 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 68.0254, 0.3151, 0.3087 by changing the saturation by 10% instead.

 68.0254, 0.3151,
0.3087

 68.0254, 0.3151,
0.3087


453.5860, 0.3141,
0.3181

 49.9184, 0.3153,
0.3066


116.3885, 0.3147,
0.3119

 35.3486, 0.3156,
0.3039


147.4133, 0.3146,
0.3132

 23.9315, 0.3159,
0.3006


183.5130, 0.3145,
0.3143

 15.2828, 0.3164,
0.2963


225.0717, 0.3144,
0.3152

 9.0181, 0.3169,
0.2903

272.4740, 0.3143,
0.3161

 4.7530, 0.3176,
0.2818

326.1042, 0.3142,

 2.1031, 0.3186,

0.3168

0.2685

386.3467, 0.3141,
0.3175

0.6664, 0.3218,
0.2402

0.0000, 0.0000,
0.0000

68.0254, 0.3151,
0.3087

68.0254, 0.3151,
0.3087

57.4285, 0.3180,
0.2858

80.2584, 0.3125,
0.3309

48.3896, 0.3212,
0.2628

94.1813, 0.3102,
0.3520

40.8370, 0.3247,
0.2404

94.3027, 0.3090,
0.3498

34.6902, 0.3283,
0.2197

94.4255, 0.3078,
0.3477

■ 29.8611, 0.3321,
0.2015

■ 94.5498, 0.3066,
0.3455

■ 26.2515, 0.3358,
0.1868

■ 94.6756, 0.3054,
0.3433

■ 23.7495, 0.3393,
0.1763

■ 94.8029, 0.3042,
0.3412

■ 22.2229, 0.3426,
0.1702

■ 94.9316, 0.3031,
0.3390

■ 21.4648, 0.3457,
0.1680

■ 95.0619, 0.3019,
0.3369

Harmonies

Analogous

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



68.0254, 0.2998, 0.3033



68.0254, 0.3151, 0.3087



68.0254, 0.3301, 0.3192

Triad

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



68.0254, 0.3151, 0.3087



68.0254, 0.3375, 0.3538



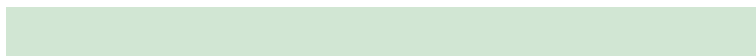
68.0254, 0.2858, 0.3246

Complementary

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



68.0254, 0.3151, 0.3087



74.8370, 0.3104, 0.3502

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.



68.0254, 0.2954, 0.3389



68.0254, 0.3151, 0.3087



68.0254, 0.3252, 0.3561

Square

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



68.0254, 0.3151, 0.3087



68.0254, 0.3432, 0.3450



68.0254, 0.3098, 0.3506



68.0254, 0.2832, 0.3120

Rectangle

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



68.0254, 0.3151, 0.3087



68.0254, 0.3377, 0.3278



68.0254, 0.3098, 0.3506



68.0254, 0.2883, 0.3294

Sweetspot

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



68.0283, 0.3151, 0.3087



95.1705, 0.3135, 0.3224



65.1303, 0.2998, 0.3057



20.1011, 0.3137, 0.3206



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.



68.0283, 0.3151, 0.3087



83.2254, 0.3156, 0.3043



67.4731, 0.3223, 0.3196



14.5911, 0.3152, 0.3079



12.1345, 0.3455, 0.1677



0.9034, 0.3415, 0.1655

Inverse Universe

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



68.0283, 0.3151, 0.3087



83.2254, 0.3156, 0.3043



75.3700, 0.3040, 0.3386



14.5911, 0.3152, 0.3079



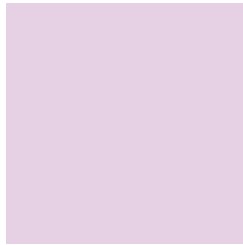
12.1345, 0.3455, 0.1677



0.9034, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 68.0254, 0.3151, 0.3087 looks on a white background.

Color Contrast Check

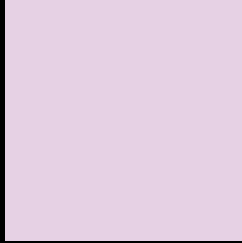
Large Text (above 18pt) WCAG AA × Fail

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 68.0254, 0.3151, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

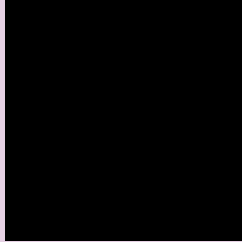
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

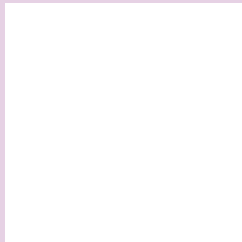
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.0254, 0.3151, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 68.0254, 0.3151, 0.3087.



This preview shows how white text looks on a background with the Yxy color 68.0254, 0.3151, 0.3087.

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

68.0254, 0.3151, 0.3087

Protanopia

68.1588, 0.3014, 0.3103

Deuteranopia

68.0254, 0.3151, 0.3087



Tritanopia

67.9149, 0.3165, 0.3108

Trichromacy



Original Color

68.0254, 0.3151, 0.3087

Protanomaly

68.0158, 0.3064, 0.3094

Deuteranomaly

68.0254, 0.3151, 0.3087

Tritanomaly

67.9700, 0.3158, 0.3098

Monochromacy



Original Color

68.0254, 0.3151, 0.3087

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.8432, 0.3138, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0254, 0.3151, 0.3087 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(230, 209, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 209, 228) }
```

Border

The CSS property to change the border of an element to Yxy 68.0254, 0.3151, 0.3087 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, 228) }
```

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

```
.border{ border-color:rgb(230, 209, 228) }
```

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, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 209, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 209, 228);  
box-shadow:4px 4px 4px 4px rgb(230, 209,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0254, 0.3151, 0.3087 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, 228) }
```

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

```
.background{ background-color: rgb(230,  
209, 228) }
```

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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