

Converting Colors

Yxy(68.8911, 0.3133, 0.3135)

Have a look what the booklet for
Yxy(68.8911, 0.3133, 0.3135)
contains.

Yxy(68.8018, 0.3127, 0.3129)	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(68.8018, 0.3127, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	E2D4E3
RGB	226, 212, 227
RGB Percent	89%, 83%, 89%
CMY	0.1140, 0.1685, 0.1098
CMYK	0.00, 0.07, 0.00, 0.11
HSL	296°, 21%, 86%
HSV	296°, 7%, 89%
XYZ	68.7578, 68.8018, 82.3247
YIQ	217.8960, 3.5290, 7.6330

Conversions

Conversions Part 2

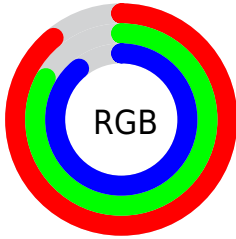
Format	Color
R_{YB}	226, 212, 227
Decimal	14865635
CIE Lab	86.41, 7.44, -5.64
CIE LCh	86, 9.338, 322.842
Yxy	68.8018, 0.3127, 0.3129
Android (android.graphics.Color)	4293055715 (0xFFE2D4E3)
YUV	217.8960, 4.4883, 7.1072
Hunter-Lab	82.9469, 2.8085, -0.7825

Details

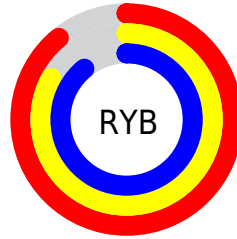
The Yxy color $68.8018, 0.3127, 0.3129$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $73.8484, 0.3127, 0.3456$, and the grayscale version is $69.9992, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $35.7504, 0.3127, 0.3080$ is the 20% darker color. If you saturate the color by 10%, you get $57.9834, 0.3125, 0.2878$, and if you desaturate by 10%, it is $81.2240, 0.3127, 0.3371$.

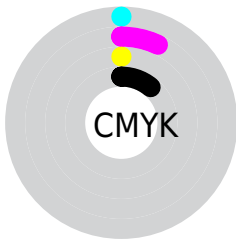
Distribution



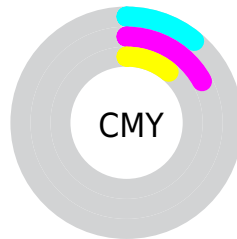
- Red (89%)
- Green (83%)
- Blue (89%)



- Red (89%)
- Yellow (83%)
- Blue (89%)



- Cyan (0%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)





- Cyan (11%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8018, 0.3127, 0.3129 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 68.8018, 0.3127, 0.3129 by changing the saturation by 10% instead.

 68.8018, 0.3127,
0.3129

 68.8018, 0.3127,
0.3129


456.3316, 0.3128,
0.3203

 50.5503, 0.3127,
0.3112

117.4984, 0.3127,
0.3155

 35.8509, 0.3126,
0.3091


148.7124, 0.3127,
0.3165

 24.3190, 0.3126,
0.3064


185.0159, 0.3127,
0.3174

 15.5704, 0.3125,
0.3030

226.7935, 0.3127,
0.3181

 9.2207, 0.3124,
0.2982

274.4294, 0.3127,
0.3188

 4.8854, 0.3122,
0.2914

328.3082, 0.3127,

 2.1802, 0.3117,

0.3194

0.2806

388.8141, 0.3128,
0.3199

0.7092, 0.3117,
0.2583

0.0000, 0.0000,
0.0000

68.8018, 0.3127,
0.3129

68.8018, 0.3127,
0.3129

57.9834, 0.3125,
0.2878

81.2240, 0.3127,
0.3371

48.6938, 0.3122,
0.2623

93.7466, 0.3127,
0.3576

40.8650, 0.3116,
0.2372

94.0111, 0.3137,
0.3575

34.4206, 0.3108,
0.2135

94.2780, 0.3147,
0.3574

■ 29.2774, 0.3098,
0.1922

■ 94.5473, 0.3157,
0.3573

■ 25.3429, 0.3085,
0.1743

■ 94.8191, 0.3167,
0.3572

■ 22.5127, 0.3070,
0.1604

■ 95.0933, 0.3177,
0.3572

■ 20.6647, 0.3054,
0.1509

■ 95.3700, 0.3187,
0.3571

■ 19.6439, 0.3037,
0.1456

■ 95.6491, 0.3197,
0.3570

Harmonies

Analogous

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



68.8018, 0.3016, 0.3096



68.8018, 0.3127, 0.3129



68.8018, 0.3240, 0.3203

Triad

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



68.8018, 0.3127, 0.3129



68.8018, 0.3321, 0.3467



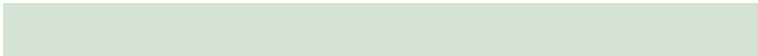
68.8018, 0.2934, 0.3275

Complementary

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



68.8018, 0.3127, 0.3129



73.8484, 0.3127, 0.3456

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.



68.8018, 0.3014, 0.3379



68.8018, 0.3127, 0.3129



68.8018, 0.3237, 0.3491

Square

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



68.8018, 0.3127, 0.3129



68.8018, 0.3354, 0.3396



68.8018, 0.3124, 0.3459



68.8018, 0.2906, 0.3178

Rectangle

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



68.8018, 0.3127, 0.3129



68.8018, 0.3301, 0.3266



68.8018, 0.3124, 0.3459



68.8018, 0.2956, 0.3311

Sweetspot

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



68.8048, 0.3127, 0.3129



96.7210, 0.3127, 0.3241



67.2727, 0.3027, 0.3138



20.7366, 0.3127, 0.3244



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.



68.8048, 0.3127, 0.3129



87.3963, 0.3127, 0.3093



68.6375, 0.3178, 0.3196



14.5608, 0.3127, 0.3058



11.3335, 0.3033, 0.1445



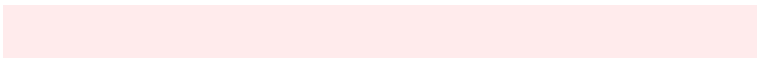
0.8531, 0.3061, 0.1460

Inverse Universe

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



68.2381, 0.3231, 0.3279



86.5061, 0.3256, 0.3276



74.0121, 0.3080, 0.3386



14.3844, 0.3281, 0.3274



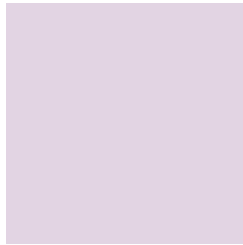
9.5522, 0.6323, 0.3257



0.7117, 0.6117, 0.3143

Previews

White Background



This preview shows how the Yxy color 68.8018, 0.3127, 0.3129 looks on a white background.

Color Contrast Check

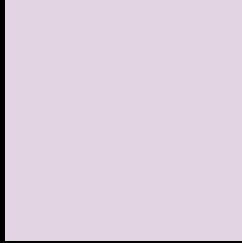
Large Text (above 18pt) WCAG AA × Fail

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 68.8018, 0.3127, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

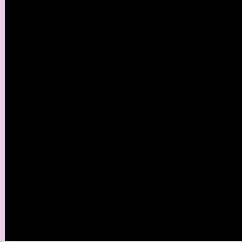
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

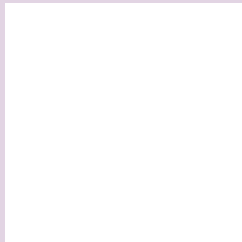
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8018, 0.3127, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 68.8018, 0.3127, 0.3129.

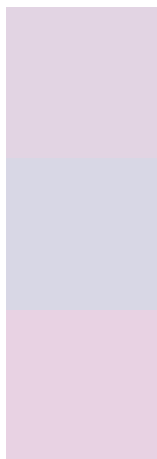


This preview shows how white text looks on a background with the Yxy color 68.8018, 0.3127, 0.3129.

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

68.8018, 0.3127, 0.3129

Protanopia

68.8570, 0.3041, 0.3137

Deuteranopia

68.7950, 0.3173, 0.3110



Tritanopia

68.8572, 0.3121, 0.3118

Trichromacy



Original Color

68.8018, 0.3127, 0.3129

Protanomaly

68.9102, 0.3077, 0.3138

Deuteranomaly

68.9576, 0.3157, 0.3119

Tritanomaly

68.8572, 0.3121, 0.3118

Monochromacy



Original Color

68.8018, 0.3127, 0.3129

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.7043, 0.3130, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8018, 0.3127, 0.3129 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(226, 212, 227)` looks like.

```
.text, #text, p{  
    color:rgb(226, 212, 227)  
}
```

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(226, 212, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 212, 227) }
```

Border

The CSS property to change the border of an element to Yxy 68.8018, 0.3127, 0.3129 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(226, 212, 227) }
```

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

```
.border{ border-color:rgb(226, 212, 227) }
```

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

Here you see how a box with a 4 pixel rgb(226, 212, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 212, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 212, 227);  
box-shadow:4px 4px 4px 4px rgb(226, 212,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8018, 0.3127, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 212, 227) }
```

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

```
.background{ background-color: rgb(226,  
212, 227) }
```

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