

Converting Colors

$Y_{xy}(64.3078, 0.3140, 0.3036)$

Have a look what the booklet for
Yxy(64.3078, 0.3140, 0.3036)
contains.

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Color

Yxy(64.3716, 0.3139, 0.3041)

Conversions

Conversions Part 1

Format	Color
Hex	E2CBE2
RGB	226, 203, 226
RGB Percent	89%, 80%, 89%
CMY	0.1137, 0.2039, 0.1138
CMYK	0.00, 0.10, 0.00, 0.11
HSL	300°, 28%, 84%
HSV	300°, 10%, 89%
XYZ	66.4461, 64.3716, 80.8614
YIQ	212.4990, 6.3250, 12.0290

Conversions

Conversions Part 2

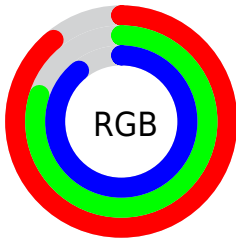
Format	Color
R _Y B	226, 203, 226
Decimal	14863330
CIE Lab	84.16, 12.04, -8.43
CIE LCh	84, 14.696, 325.006
Yxy	64.3716, 0.3139, 0.3041
Android (android.graphics.Color)	4293053410 (0xFFE2CBE2)
YUV	212.4990, 6.6560, 11.8404
Hunter-Lab	80.2319, 7.4234, -3.5928

Details

The Yxy color $64.3716, 0.3139, 0.3041$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $71.4054, 0.3115, 0.3552$, and the grayscale version is $66.1407, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.0931, 0.3142, 0.2980$ is the 20% darker color. If you saturate the color by 10%, you get $54.4650, 0.3151, 0.2791$, and if you desaturate by 10%, it is $75.8397, 0.3127, 0.3286$.

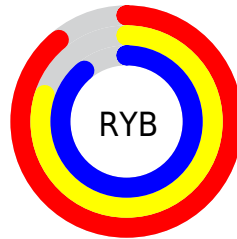
Distribution



Red (89%)

Green (80%)

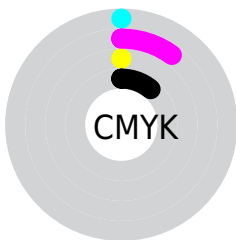
Blue (89%)



Red (89%)

Yellow (80%)

Blue (89%)

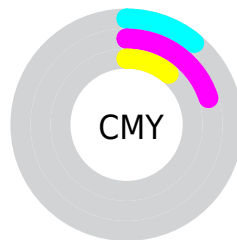


Cyan (0%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (11%)


Magenta (20%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3716, 0.3139, 0.3041 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 64.3716, 0.3139, 0.3041 by changing the saturation by 10% instead.

 64.3716, 0.3139,
0.3041

 64.3716, 0.3139,
0.3041

440.5303, 0.3134,
0.3157

 46.9517, 0.3140,
0.3015

111.1459, 0.3138,
0.3081

 32.9975, 0.3141,
0.2982


141.2692, 0.3137,
0.3097

 22.1245, 0.3142,
0.2940


176.3956, 0.3136,
0.3110

 13.9484, 0.3143,
0.2886

216.9097, 0.3136,
0.3122

 8.0848, 0.3143,
0.2811

263.1958, 0.3136,
0.3132

 4.1493, 0.3143,
0.2703

315.6384, 0.3135,

 1.7574, 0.3140,

0.3141

374.6218, 0.3135,
0.3149

0.2533

0.4604, 0.3197,
0.2012

0.0000, 0.0000,
0.0000

64.3716, 0.3139,
0.3041

64.3716, 0.3139,
0.3041

54.4650, 0.3151,
0.2791

75.8397, 0.3127,
0.3286

46.0447, 0.3163,
0.2542

88.9240, 0.3116,
0.3520

39.0414, 0.3174,
0.2305

93.1829, 0.3113,
0.3587

33.3772, 0.3185,
0.2087

93.1840, 0.3113,
0.3587

■ 28.9669, 0.3194,
0.1898

■ 93.1851, 0.3113,
0.3587

■ 25.7153, 0.3201,
0.1748

■ 93.1862, 0.3113,
0.3587

■ 23.5134, 0.3206,
0.1639

■ 93.1873, 0.3112,
0.3587

■ 22.2321, 0.3210,
0.1573

■ 93.1885, 0.3112,
0.3586

■ 21.6494, 0.3211,
0.1543

■ 93.1896, 0.3112,
0.3586

Harmonies

Analogous

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



64.3716, 0.2959, 0.2983



64.3716, 0.3139, 0.3041



64.3716, 0.3320, 0.3161

Triad

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



64.3716, 0.3139, 0.3041



64.3716, 0.3433, 0.3580



64.3716, 0.2813, 0.3251

Complementary

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



64.3716, 0.3139, 0.3041



71.4054, 0.3115, 0.3552

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.



64.3716, 0.2933, 0.3423



64.3716, 0.3139, 0.3041



64.3716, 0.3290, 0.3616

Square

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



64.3716, 0.3139, 0.3041



64.3716, 0.3493, 0.3468



64.3716, 0.3107, 0.3558



64.3716, 0.2775, 0.3097

Rectangle

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



64.3716, 0.3139, 0.3041



64.3716, 0.3416, 0.3262



64.3716, 0.3107, 0.3558



64.3716, 0.2845, 0.3309

Sweetspot

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



64.3744, 0.3139, 0.3041



95.2154, 0.3131, 0.3217



60.9035, 0.2968, 0.3027



20.1133, 0.3132, 0.3197



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.



64.3744, 0.3139, 0.3041



82.0048, 0.3141, 0.2994



63.7652, 0.3222, 0.3164



13.9354, 0.3138, 0.3059



12.3506, 0.3211, 0.1543



0.8561, 0.3211, 0.1543

Inverse Universe

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



64.3744, 0.3139, 0.3041



82.0048, 0.3141, 0.2994



71.9733, 0.3042, 0.3420



13.9354, 0.3138, 0.3059



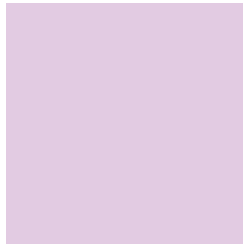
12.3506, 0.3211, 0.1543



0.8561, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 64.3716, 0.3139, 0.3041 looks on a white background.

Color Contrast Check

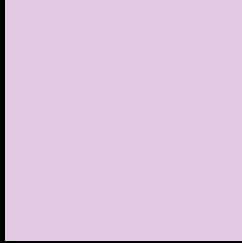
Large Text (above 18pt) WCAG AA × Fail

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 64.3716, 0.3139, 0.3041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

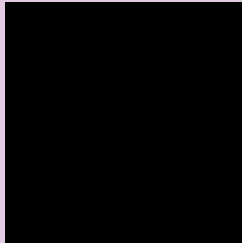
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3716, 0.3139, 0.3041

Background



This preview shows how black text looks on a background with the Yxy color 64.3716, 0.3139, 0.3041.



This preview shows how white text looks on a background with the Yxy color 64.3716, 0.3139, 0.3041.

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

64.3716, 0.3139, 0.3041

Protanopia

64.6680, 0.2985, 0.3066

Deuteranopia

64.3647, 0.3116, 0.3050



Tritanopia

64.3606, 0.3173, 0.3115

Trichromacy



Original Color

64.3716, 0.3139, 0.3041

Protanomaly

64.6742, 0.3042, 0.3058

Deuteranomaly

64.5240, 0.3123, 0.3051

Tritanomaly

64.4672, 0.3159, 0.3094

Monochromacy



Original Color

64.3716, 0.3139, 0.3041

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.5683, 0.3132, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3716, 0.3139, 0.3041 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, 203, 226)` looks like.

```
.text, #text, p{  
    color:rgb(226, 203, 226)  
}
```

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, 203, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 203, 226) }
```

Border

The CSS property to change the border of an element to Yxy 64.3716, 0.3139, 0.3041 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, 203, 226) }
```

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

```
.border{ border-color:rgb(226, 203, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 203, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 203, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 203, 226); box-shadow:4px 4px 4px 4px rgb(226, 203, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3716, 0.3139, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 203, 226) }
```

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

```
.background{ background-color: rgb(226,  
203, 226) }
```

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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