

Converting Colors

$Y_{xy}(65.3820, 0.3178, 0.3118)$

Have a look what the booklet for
Yxy(65.3820, 0.3178, 0.3118)
contains.

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Color

Yxy(65.2140, 0.3181, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	E3CDDD
RGB	227, 205, 221
RGB Percent	89%, 80%, 87%
CMY	0.1096, 0.1961, 0.1333
CMYK	0.00, 0.10, 0.03, 0.11
HSL	316°, 28%, 85%
HSV	316°, 10%, 89%
XYZ	66.5744, 65.2140, 77.4992
YIQ	213.4020, 7.9760, 9.6400

Conversions

Conversions Part 2

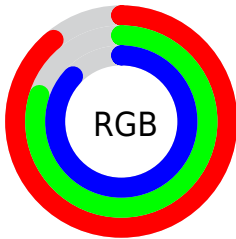
Format	Color
R _Y B	227, 205, 221
Decimal	14929373
CIE Lab	84.59, 10.45, -5.13
CIE LCh	85, 11.642, 333.842
Yxy	65.2140, 0.3181, 0.3116
Android (android.graphics.Color)	4293119453 (0xFFE3CDDD)
YUV	213.4020, 3.7458, 11.9254
Hunter-Lab	80.7552, 5.8334, -0.3708

Details

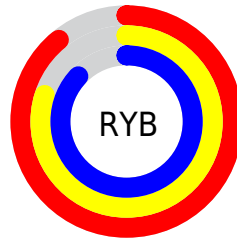
The Yxy color $65.2140, 0.3181, 0.3116$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $72.6463, 0.3077, 0.3470$, and the grayscale version is $66.7988, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $33.6570, 0.3197, 0.3078$ is the 20% darker color. If you saturate the color by 10%, you get $54.8073, 0.3246, 0.2930$, and if you desaturate by 10%, it is $77.2147, 0.3126, 0.3295$.

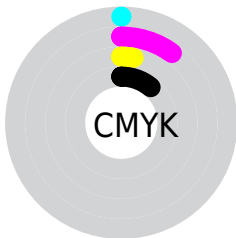
Distribution



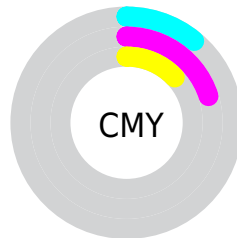
- Red (89%)
- Green (80%)
- Blue (87%)



- Red (89%)
- Yellow (80%)
- Blue (87%)



- Cyan (0%)
- Magenta (10%)
- Yellow (3%)
- Black (11%)





- Cyan (11%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2140, 0.3181, 0.3116 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 65.2140, 0.3181, 0.3116 by changing the saturation by 10% instead.


 65.2140, 0.3181,
0.3116

 65.2140, 0.3181,
0.3116

443.5606, 0.3156,
0.3197

 47.6346, 0.3187,
0.3097


112.3575, 0.3172,
0.3144

 33.5376, 0.3194,
0.3074


142.6904, 0.3169,
0.3155

 22.5386, 0.3203,
0.3045

178.0432, 0.3166,
0.3165

 14.2532, 0.3214,
0.3006

218.8004, 0.3164,
0.3173

 8.2970, 0.3230,
0.2953

265.3463, 0.3161,
0.3180

 4.2856, 0.3253,
0.2876

318.0654, 0.3159,

 1.8346, 0.3288,

0.3186

0.2752

377.3420, 0.3158,
0.3192

0.5086, 0.3419,
0.2355

0.0000, 0.0000,
0.0000

65.2140, 0.3181,
0.3116

65.2140, 0.3181,
0.3116

54.8073, 0.3246,
0.2930

77.2147, 0.3126,
0.3295

45.9184, 0.3321,
0.2740

90.8646, 0.3079,
0.3464

38.4776, 0.3407,
0.2554

94.1283, 0.3043,
0.3445

32.4062, 0.3503,
0.2379

94.5027, 0.3008,
0.3382

■ 27.6182, 0.3608,
0.2226

■ 94.8897, 0.2974,
0.3319

■ 24.0176, 0.3720,
0.2105

■ 95.0789, 0.2958,
0.3290

■ 21.4951, 0.3834,
0.2026

■ 19.9208, 0.3947,
0.1996

■ 19.0763, 0.4057,
0.2010

Harmonies

Analogous

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



65.2140, 0.3034, 0.3053



65.2140, 0.3181, 0.3116



65.2140, 0.3316, 0.3223

Triad

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



65.2140, 0.3181, 0.3116



65.2140, 0.3341, 0.3534



65.2140, 0.2862, 0.3222

Complementary

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



65.2140, 0.3181, 0.3116



72.6463, 0.3077, 0.3470

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.



65.2140, 0.2940, 0.3356



65.2140, 0.3181, 0.3116



65.2140, 0.3216, 0.3540

Square

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



65.2140, 0.3181, 0.3116



65.2140, 0.3409, 0.3462



65.2140, 0.3069, 0.3474



65.2140, 0.2853, 0.3111

Rectangle

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



65.2140, 0.3181, 0.3116



65.2140, 0.3379, 0.3306



65.2140, 0.3069, 0.3474



65.2140, 0.2881, 0.3266

Sweetspot

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



65.2168, 0.3181, 0.3116



95.0819, 0.3143, 0.3237



63.0348, 0.3019, 0.3043



20.0771, 0.3147, 0.3223



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.



65.2168, 0.3181, 0.3116



81.4797, 0.3195, 0.3073



64.6551, 0.3260, 0.3234



14.5445, 0.3179, 0.3121



11.1287, 0.4044, 0.2002



0.8378, 0.3894, 0.1919

Inverse Universe

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



65.2168, 0.3181, 0.3116



81.4797, 0.3195, 0.3073



73.2111, 0.3009, 0.3347



14.5445, 0.3179, 0.3121



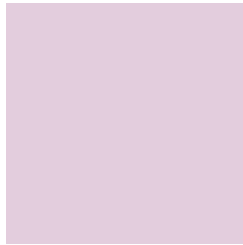
11.1287, 0.4044, 0.2002



0.8378, 0.3894, 0.1919

Previews

White Background



This preview shows how the Yxy color 65.2140, 0.3181, 0.3116 looks on a white background.

Color Contrast Check

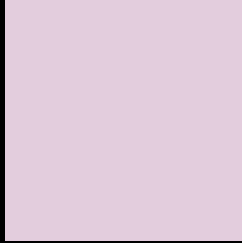
Large Text (above 18pt) WCAG AA × Fail

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 65.2140, 0.3181, 0.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

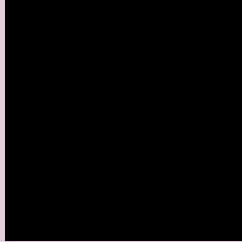
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

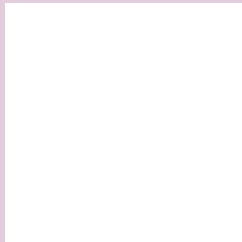
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.2140, 0.3181, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 65.2140, 0.3181, 0.3116.

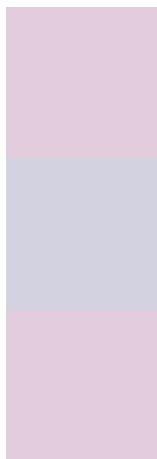


This preview shows how white text looks on a background with the Yxy color 65.2140, 0.3181, 0.3116.

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

65.2140, 0.3181, 0.3116

Protanopia

65.3239, 0.3039, 0.3133

Deuteranopia

65.2140, 0.3181, 0.3116



Tritanopia

65.2140, 0.3181, 0.3116

Trichromacy



Original Color

65.2140, 0.3181, 0.3116

Protanomaly

65.1912, 0.3090, 0.3124

Deuteranomaly

65.2140, 0.3181, 0.3116

Tritanomaly

65.2140, 0.3181, 0.3116

Monochromacy



Original Color

65.2140, 0.3181, 0.3116

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.9565, 0.3145, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2140, 0.3181, 0.3116 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(227, 205, 221)` looks like.

```
.text, #text, p{  
    color:rgb(227, 205, 221)  
}
```

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(227, 205, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 205, 221) }
```

Border

The CSS property to change the border of an element to Yxy 65.2140, 0.3181, 0.3116 is called "border". The border property can be set on classes, ids or directly on the HTML element.

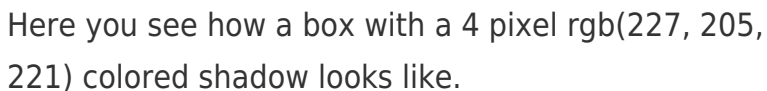
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 205, 221) }
```

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

```
.border{ border-color:rgb(227, 205, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 205, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 205, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 205, 221); box-shadow:4px 4px 4px 4px rgb(227, 205, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2140, 0.3181, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 205, 221) }
```

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

```
.background{ background-color: rgb(227,  
205, 221) }
```

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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