

Converting Colors

$Y_{xy}(68.1445, 0.3205, 0.3215)$

Have a look what the booklet for
Yxy(68.1445, 0.3205, 0.3215)
contains.

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Color

Yxy(68.1445, 0.3205, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	E4D3DA
RGB	228, 211, 218
RGB Percent	89%, 83%, 85%
CMY	0.1060, 0.1725, 0.1452
CMYK	0.00, 0.07, 0.04, 0.11
HSL	335°, 24%, 86%
HSV	335°, 7%, 89%
XYZ	67.9325, 68.1445, 75.8810
YIQ	216.8810, 7.8850, 5.7810

Conversions

Conversions Part 2

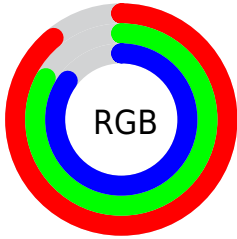
Format	Color
RYB	228, 211, 218
Decimal	14996442
CIELab	86.08, 7.05, -1.32
CIELCh	86, 7.172, 349.387
Yxy	68.1445, 0.3205, 0.3215
Android (android.graphics.Color)	4293186522 (0xFFE4D3DA)
YUV	216.8810, 0.5517, 9.7514
Hunter-Lab	82.5497, 2.4309, 3.2845

Details

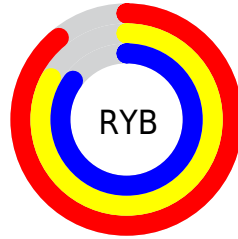
The Yxy color **68.1445, 0.3205, 0.3215** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.5414, 0.3055, 0.3366**, and the grayscale version is **69.2925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.3055, 0.3230, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **56.9353, 0.3329, 0.3109**, and if you desaturate by 10%, it is **81.0230, 0.3103, 0.3315**.

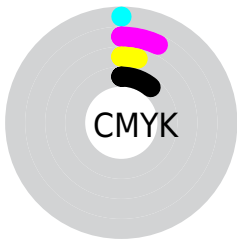
Distribution



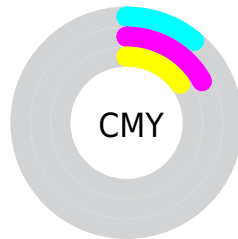
- Red (89%)
- Green (83%)
- Blue (85%)



- Red (89%)
- Yellow (83%)
- Blue (85%)



- Cyan (0%)
- Magenta (7%)
- Yellow (4%)
- Black (11%)



- Cyan (11%)
- Magenta (17%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1445, 0.3205, 0.3215 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 68.1445, 0.3205, 0.3215 by changing the saturation by 10% instead.

68.1445, 0.3205,
0.3215

68.1445, 0.3205,
0.3215

454.0078, 0.3169,
0.3250

50.0153, 0.3213,
0.3207

116.5588, 0.3192,
0.3227

35.4256, 0.3224,
0.3197

147.6128, 0.3187,
0.3232

23.9909, 0.3237,
0.3184

183.7437, 0.3183,
0.3236

15.3268, 0.3255,
0.3167

225.3361, 0.3180,
0.3240

9.0491, 0.3279,
0.3144

272.7743, 0.3176,
0.3243

4.7732, 0.3315,
0.3110

326.4427, 0.3173,

2.1148, 0.3372,

0.3245

386.7258, 0.3171,
0.3248

0.3056

0.6729, 0.3514,
0.2914

0.0000, 0.0000,
0.0000

68.1445, 0.3205,
0.3215

68.1445, 0.3205,
0.3215

56.9353, 0.3329,
0.3109

81.0230, 0.3103,
0.3315

47.3180, 0.3480,
0.2998

94.5928, 0.3019,
0.3392

39.2220, 0.3662,
0.2887

95.2285, 0.2964,
0.3290

32.5683, 0.3878,
0.2782

■ 27.2704, 0.4128,
0.2691

■ 23.2326, 0.4409,
0.2627

■ 20.3463, 0.4710,
0.2603

■ 18.4843, 0.5014,
0.2629

■ 17.4775, 0.5299,
0.2708

Harmonies

Analogous

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



68.1445, 0.3117, 0.3161



68.1445, 0.3205, 0.3215



68.1445, 0.3273, 0.3289

Triad

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



68.1445, 0.3205, 0.3215



68.1445, 0.3221, 0.3445



68.1445, 0.2957, 0.3212

Complementary

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



68.1445, 0.3205, 0.3215



74.5414, 0.3055, 0.3366

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.



68.1445, 0.2984, 0.3288



68.1445, 0.3205, 0.3215



68.1445, 0.3136, 0.3425

Square

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



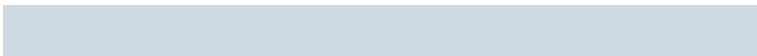
68.1445, 0.3205, 0.3215



68.1445, 0.3282, 0.3422



68.1445, 0.3049, 0.3367



68.1445, 0.2974, 0.3158

Rectangle

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



68.1445, 0.3205, 0.3215



68.1445, 0.3297, 0.3341



68.1445, 0.3049, 0.3367



68.1445, 0.2961, 0.3236

Sweetspot

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



68.1475, 0.3205, 0.3215



96.5968, 0.3147, 0.3270



67.5555, 0.3084, 0.3106



20.7113, 0.3146, 0.3271



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.



68.1475, 0.3205, 0.3215



85.3799, 0.3224, 0.3198



68.4961, 0.3253, 0.3306



14.4655, 0.3228, 0.3194



10.0080, 0.5331, 0.2710



0.7576, 0.4950, 0.2500

Inverse Universe

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



68.1475, 0.3205, 0.3215



85.3799, 0.3224, 0.3198



74.1460, 0.3012, 0.3274



14.4655, 0.3228, 0.3194



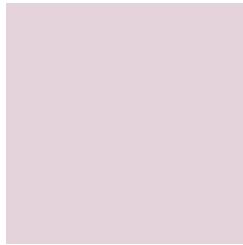
10.0080, 0.5331, 0.2710



0.7576, 0.4950, 0.2500

Previews

White Background



This preview shows how the Yxy color 68.1445, 0.3205, 0.3215 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 68.1445, 0.3205, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

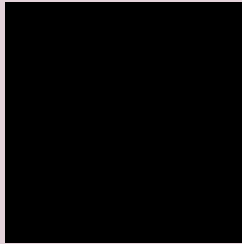
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

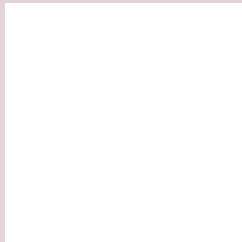
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1445, 0.3205, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 68.1445, 0.3205, 0.3215.

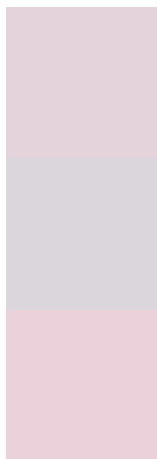


This preview shows how white text looks on a background with the Yxy color 68.1445, 0.3205, 0.3215.

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

68.1445, 0.3205, 0.3215

Protanopia

68.1659, 0.3116, 0.3224

Deuteranopia

68.3251, 0.3260, 0.3194



Tritanopia

68.2422, 0.3157, 0.3119

Trichromacy



Original Color

68.1445, 0.3205, 0.3215

Protanomaly

68.2326, 0.3152, 0.3224

Deuteranomaly

68.3109, 0.3236, 0.3205

Tritanomaly

68.0789, 0.3178, 0.3150

Monochromacy



Original Color

68.1445, 0.3205, 0.3215

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

68.9828, 0.3157, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1445, 0.3205, 0.3215 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(228, 211, 218)` looks like.

```
.text, #text, p{  
    color:rgb(228, 211, 218)  
}
```

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(228, 211, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 211, 218) }
```

Border

The CSS property to change the border of an element to Yxy 68.1445, 0.3205, 0.3215 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(228, 211, 218) }
```

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

```
.border{ border-color:rgb(228, 211, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 211, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 211, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 211, 218);  
box-shadow:4px 4px 4px 4px rgb(228, 211,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1445, 0.3205, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 211, 218) }
```

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

```
.background{ background-color: rgb(228,  
211, 218) }
```

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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