

Converting Colors

Yxy(68.3562, 0.3200, 0.3162)

Have a look what the booklet for
Yxy(68.3562, 0.3200, 0.3162)
contains.

Yxy(68.3560, 0.3200, 0.3162)	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(68.3560, 0.3200, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	E7D2DE
RGB	231, 210, 222
RGB Percent	91%, 82%, 87%
CMY	0.0942, 0.1764, 0.1295
CMYK	0.00, 0.09, 0.04, 0.09
HSL	326°, 30%, 86%
HSV	326°, 9%, 91%
XYZ	69.1775, 68.3560, 78.6462
YIQ	217.6470, 8.6640, 8.1840

Conversions

Conversions Part 2

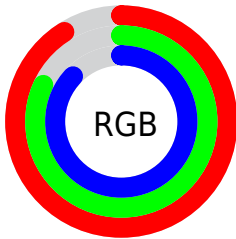
Format	Color
R _Y B	231, 210, 222
Decimal	15192798
CIE Lab	86.18, 9.31, -3.27
CIE LCh	86, 9.866, 340.660
Yxy	68.3560, 0.3200, 0.3162
Android (android.graphics.Color)	4293382878 (0xFFE7D2DE)
YUV	217.6470, 2.1460, 11.7106
Hunter-Lab	82.6777, 4.6673, 1.4755

Details

The Yxy color **68.3560, 0.3200, 0.3162** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.9536, 0.3060, 0.3422**, and the grayscale version is **69.8349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6809, 0.3213, 0.3137** is the 20% darker color. If you saturate the color by 10%, you get **57.2487, 0.3295, 0.3014**, and if you desaturate by 10%, it is **81.1464, 0.3120, 0.3303**.

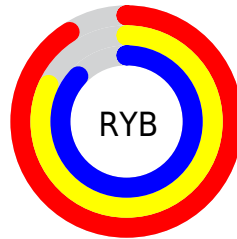
Distribution



Red (91%)

Green (82%)

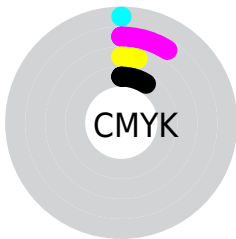
Blue (87%)



Red (91%)

Yellow (82%)

Blue (87%)

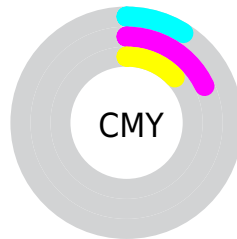


Cyan (0%)

Magenta (9%)

Yellow (4%)

Black (9%)



Cyan (9%)


Magenta (18%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3560, 0.3200, 0.3162 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 68.3560, 0.3200, 0.3162 by changing the saturation by 10% instead.


 68.3560, 0.3200,
0.3162

 68.3560, 0.3200,
0.3162


454.7563, 0.3166,
0.3221

 50.1874, 0.3208,
0.3148


116.8613, 0.3188,
0.3183

 35.5623, 0.3217,
0.3132


147.9668, 0.3184,
0.3191

 24.0964, 0.3230,
0.3110


184.1533, 0.3180,
0.3198

 15.4051, 0.3246,
0.3082

225.8054, 0.3176,
0.3204

 9.1042, 0.3267,
0.3044

273.3073, 0.3173,
0.3209

 4.8092, 0.3299,
0.2988

327.0435, 0.3171,

 2.1358, 0.3350,

0.3214

0.2901

387.3984, 0.3168,
0.3218

0.6846, 0.3463,
0.2699

0.0000, 0.0000,
0.0000

68.3560, 0.3200,
0.3162

68.3560, 0.3200,
0.3162

57.2487, 0.3295,
0.3014

81.1464, 0.3120,
0.3303

47.7448, 0.3409,
0.2862

94.9021, 0.3055,
0.3422

39.7716, 0.3543,
0.2711

95.5126, 0.3000,
0.3323

33.2470, 0.3697,
0.2568

95.7239, 0.2981,
0.3290

■ 28.0816, 0.3871,
0.2444

■ 24.1755, 0.4062,
0.2350

■ 21.4151, 0.4264,
0.2298

■ 19.6662, 0.4468,
0.2298

■ 18.7207, 0.4666,
0.2348

Harmonies

Analogous

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



68.3560, 0.3077, 0.3100



68.3560, 0.3200, 0.3162



68.3560, 0.3305, 0.3257

Triad

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



68.3560, 0.3200, 0.3162



68.3560, 0.3285, 0.3500



68.3560, 0.2898, 0.3210

Complementary

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



68.3560, 0.3200, 0.3162



75.9536, 0.3060, 0.3422

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.



68.3560, 0.2952, 0.3320



68.3560, 0.3200, 0.3162



68.3560, 0.3174, 0.3490

Square

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



68.3560, 0.3200, 0.3162



68.3560, 0.3354, 0.3452



68.3560, 0.3052, 0.3424



68.3560, 0.2904, 0.3125

Rectangle

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



68.3560, 0.3200, 0.3162



68.3560, 0.3350, 0.3328



68.3560, 0.3052, 0.3424



68.3560, 0.2910, 0.3245

Sweetspot

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



68.3590, 0.3200, 0.3162



95.0064, 0.3150, 0.3248



66.8905, 0.3049, 0.3062



20.0567, 0.3156, 0.3237



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.



68.3590, 0.3200, 0.3162



82.6405, 0.3218, 0.3133



67.8272, 0.3273, 0.3272



14.5053, 0.3203, 0.3157



10.4833, 0.4654, 0.2338



0.7932, 0.4385, 0.2190

Inverse Universe

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



68.3590, 0.3200, 0.3162



82.6405, 0.3218, 0.3133



76.5088, 0.2998, 0.3309



14.5053, 0.3203, 0.3157



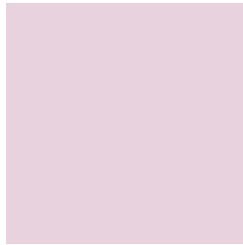
10.4833, 0.4654, 0.2338



0.7932, 0.4385, 0.2190

Previews

White Background



This preview shows how the Yxy color 68.3560, 0.3200, 0.3162 looks on a white background.

Color Contrast Check

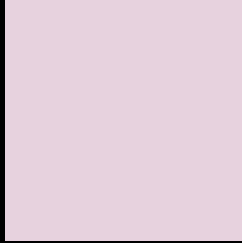
Large Text (above 18pt) WCAG AA × Fail

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 68.3560, 0.3200, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

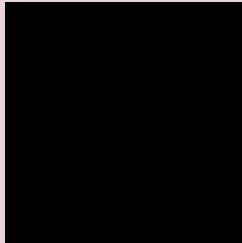
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3560, 0.3200, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 68.3560, 0.3200, 0.3162.



This preview shows how white text looks on a background with the Yxy color 68.3560, 0.3200, 0.3162.

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

68.3560, 0.3200, 0.3162

Protanopia

68.2811, 0.3075, 0.3169

Deuteranopia

68.3673, 0.3223, 0.3152



Tritanopia

68.2477, 0.3180, 0.3109

Trichromacy



Original Color

68.3560, 0.3200, 0.3162

Protanomaly

68.4999, 0.3118, 0.3170

Deuteranomaly

68.1985, 0.3216, 0.3152

Tritanomaly

68.1930, 0.3187, 0.3120

Monochromacy



Original Color

68.3560, 0.3200, 0.3162

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

69.4033, 0.3158, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3560, 0.3200, 0.3162 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(231, 210, 222)` looks like.

```
.text, #text, p{  
    color:rgb(231, 210, 222)  
}
```

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(231, 210, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 210, 222) }
```

Border

The CSS property to change the border of an element to Yxy 68.3560, 0.3200, 0.3162 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(231, 210, 222) }
```

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

```
.border{ border-color:rgb(231, 210, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 210, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 210, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 210, 222);  
box-shadow:4px 4px 4px 4px rgb(231, 210,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3560, 0.3200, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 210, 222) }
```

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

```
.background{ background-color: rgb(231,  
210, 222) }
```

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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