

# Converting Colors

Yxy(64.8799, 0.3260, 0.3187)

Have a look what the booklet for  
Yxy(64.8799, 0.3260, 0.3187)  
contains.

<b>Yxy(64.8638, 0.3255, 0.3182)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(64.8638, 0.3255, 0.3182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6CCD6
RGB	230, 204, 214
RGB Percent	90%, 80%, 84%
CMY	0.0982, 0.1999, 0.1608
CMYK	0.00, 0.11, 0.07, 0.10
HSL	337°, 34%, 85%
HSV	337°, 11%, 90%
XYZ	66.3519, 64.8638, 72.6303
YIQ	212.9140, 12.2860, 8.6220

# Conversions

## Conversions Part 2

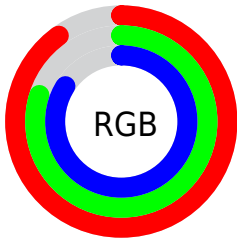
Format	Color
RYP	230, 204, 214
Decimal	15125718
CIE Lab	84.41, 10.73, -1.62
CIE LCh	84, 10.854, 351.402
Yxy	64.8638, 0.3255, 0.3182
Android (android.graphics.Color)	4293315798 (0xFFE6CCD6)
YUV	212.9140, 0.5354, 14.9844
Hunter-Lab	80.5381, 6.1169, 2.9081

# Details

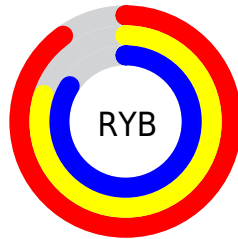
The Yxy color **64.8638, 0.3255, 0.3182** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.5783, 0.3015, 0.3401**, and the grayscale version is **66.4677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.3146, 0.3286, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **54.0364, 0.3395, 0.3080**, and if you desaturate by 10%, it is **77.3738, 0.3140, 0.3278**.

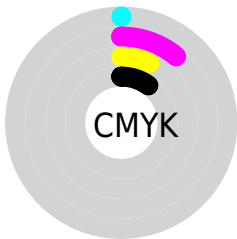
# Distribution



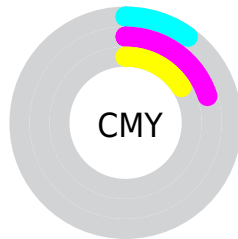
- Red (90%)
- Green (80%)
- Blue (84%)



- Red (90%)
- Yellow (80%)
- Blue (84%)



- Cyan (0%)
- Magenta (11%)
- Yellow (7%)
- Black (10%)




- Cyan (10%)
- Magenta (20%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8638, 0.3255, 0.3182 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 64.8638, 0.3255, 0.3182 by changing the saturation by 10% instead.




 64.8638, 0.3255,  
0.3182

 64.8638, 0.3255,  
0.3182


442.3024, 0.3195,  
0.3233

 47.3506, 0.3269,  
0.3170

111.8540, 0.3234,  
0.3200

 33.3129, 0.3287,  
0.3156


142.0999, 0.3226,  
0.3207

 22.3663, 0.3309,  
0.3137

177.3588, 0.3219,  
0.3213

 14.1263, 0.3339,  
0.3112

218.0151, 0.3213,  
0.3218

 8.2086, 0.3380,  
0.3078

264.4532, 0.3207,  
0.3222

 4.2287, 0.3442,  
0.3027

317.0575, 0.3203,

 1.8023, 0.3543,

0.3226

0.2944

376.2124, 0.3199,  
0.3230

0.4886, 0.3904,  
0.2626

0.0000, 0.0000,  
0.0000

64.8638, 0.3255,  
0.3182

64.8638, 0.3255,  
0.3182

54.0364, 0.3395,  
0.3080

77.3738, 0.3140,  
0.3278

44.8110, 0.3565,  
0.2976

91.6254, 0.3046,  
0.3368

37.1130, 0.3769,  
0.2873

95.5562, 0.2975,  
0.3290

30.8588, 0.4010,  
0.2779

■ 25.9565, 0.4287,  
0.2703

■ 22.3033, 0.4594,  
0.2659

■ 19.7820, 0.4914,  
0.2658

■ 18.2519, 0.5227,  
0.2710

■ 17.5263, 0.5477,  
0.2791

# Harmonies

## Analogous

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



64.8638, 0.3120, 0.3097



64.8638, 0.3255, 0.3182



64.8638, 0.3357, 0.3296

# Triad

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



64.8638, 0.3255, 0.3182



64.8638, 0.3263, 0.3529



64.8638, 0.2866, 0.3161

# Complementary

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



64.8638, 0.3255, 0.3182



74.5783, 0.3015, 0.3401

# 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.



64.8638, 0.2902, 0.3278



64.8638, 0.3255, 0.3182



64.8638, 0.3130, 0.3494

# Square

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



64.8638, 0.3255, 0.3182



64.8638, 0.3361, 0.3497



64.8638, 0.2998, 0.3401



64.8638, 0.2897, 0.3083



# Rectangle

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



64.8638, 0.3255, 0.3182



64.8638, 0.3391, 0.3374



64.8638, 0.2998, 0.3401



64.8638, 0.2871, 0.3197

# Sweetspot

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



64.8666, 0.3255, 0.3182



94.9161, 0.3159, 0.3262



64.0579, 0.3063, 0.3006



20.0324, 0.3167, 0.3254



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.



64.8666, 0.3255, 0.3182



77.9637, 0.3291, 0.3154



65.6165, 0.3325, 0.3319



14.4592, 0.3232, 0.3200



9.9486, 0.5436, 0.2768



0.7529, 0.5043, 0.2552



# Inverse Universe

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



64.8666, 0.3255, 0.3182



77.9637, 0.3291, 0.3154



73.6895, 0.2954, 0.3261



14.4592, 0.3232, 0.3200



9.9486, 0.5436, 0.2768



0.7529, 0.5043, 0.2552



# Previews

## White Background



This preview shows how the Yxy color 64.8638, 0.3255, 0.3182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

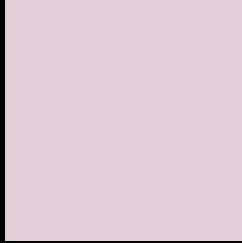
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8638, 0.3255, 0.3182 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 64.8638, 0.3255, 0.3182**

## Background



This preview shows how black text looks on a background with the Yxy color 64.8638, 0.3255, 0.3182.



This preview shows how white text looks on a background with the Yxy color 64.8638, 0.3255, 0.3182.

# 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

64.8638, 0.3255, 0.3182

### Protanopia

65.2491, 0.3101, 0.3211

### Deuteranopia

64.8638, 0.3255, 0.3182



## Tritanopia

64.8153, 0.3227, 0.3118

# Trichromacy



## Original Color

64.8638, 0.3255, 0.3182

## Protanomaly

65.1297, 0.3154, 0.3201

## Deuteranomaly

64.8638, 0.3255, 0.3182

## Tritanomaly

64.7106, 0.3242, 0.3139

# Monochromacy



## Original Color

64.8638, 0.3255, 0.3182

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

65.9574, 0.3173, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8638, 0.3255, 0.3182 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(230, 204, 214)` looks like.

```
.text, #text, p{  
    color:rgb(230, 204, 214)  
}
```

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(230, 204, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 204, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8638, 0.3255, 0.3182 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(230, 204, 214) }
```

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

```
.border{ border-color:rgb(230, 204, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 204, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 204, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 204, 214);  
box-shadow:4px 4px 4px 4px rgb(230, 204,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8638, 0.3255, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 204, 214) }
```

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

```
.background{ background-color: rgb(230,  
204, 214) }
```

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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