

# Converting Colors

$Y_{xy}(65.6475, 0.3266, 0.3119)$

Have a look what the booklet for  
Yxy(65.6475, 0.3266, 0.3119)  
contains.

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# Color

**Yxy(65.6592, 0.3266, 0.3120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECCBDB
RGB	236, 203, 219
RGB Percent	93%, 80%, 86%
CMY	0.0745, 0.2039, 0.1412
CMYK	0.00, 0.14, 0.07, 0.07
HSL	331°, 46%, 86%
HSV	331°, 14%, 93%
XYZ	68.7317, 65.6592, 76.0552
YIQ	214.6910, 14.5320, 11.9720

# Conversions

## Conversions Part 2

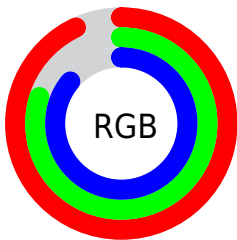
Format	Color
R <sub>Y</sub> B	236, 203, 219
Decimal	15518683
CIE Lab	84.82, 14.21, -3.62
CIE LCh	85, 14.665, 345.699
Yxy	65.6592, 0.3266, 0.3120
Android (android.graphics.Color)	4293708763 (0xFFECCBDB)
YUV	214.6910, 2.1243, 18.6880
Hunter-Lab	81.0304, 9.6044, 1.0716

# Details

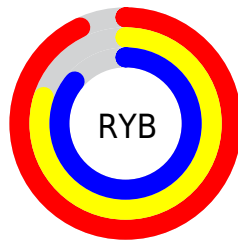
The Yxy color  $65.6592, 0.3266, 0.3120$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $77.8570, 0.3007, 0.3466$ , and the grayscale version is  $67.7143, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $33.8785, 0.3300, 0.3083$  is the 20% darker color. If you saturate the color by 10%, you get  $54.7325, 0.3390, 0.2991$ , and if you desaturate by 10%, it is  $78.3352, 0.3163, 0.3243$ .

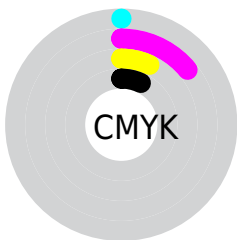
# Distribution



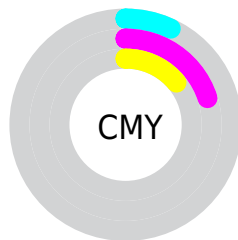
- Red (93%)
- Green (80%)
- Blue (86%)



- Red (93%)
- Yellow (80%)
- Blue (86%)



- Cyan (0%)
- Magenta (14%)
- Yellow (7%)
- Black (7%)




- Cyan (7%)
- Magenta (20%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6592, 0.3266, 0.3120 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 65.6592, 0.3266, 0.3120 by changing the saturation by 10% instead.




 65.6592, 0.3266,  
0.3120

 65.6592, 0.3266,  
0.3120


445.1571, 0.3201,  
0.3199

 47.9958, 0.3281,  
0.3102


112.9971, 0.3243,  
0.3148

 33.8236, 0.3300,  
0.3079


143.4403, 0.3235,  
0.3158

 22.7581, 0.3323,  
0.3051


178.9123, 0.3227,  
0.3167

 14.4150, 0.3355,  
0.3013

219.7974, 0.3220,  
0.3175

 8.4099, 0.3398,  
0.2961

266.4800, 0.3215,  
0.3182

 4.3583, 0.3462,  
0.2885

319.3446, 0.3210,

 1.8759, 0.3565,

0.3189

378.7755, 0.3205,  
0.3194

0.2765

0.5339, 0.3844,  
0.2402

0.0000, 0.0000,  
0.0000

65.6592, 0.3266,  
0.3120

65.6592, 0.3266,  
0.3120

54.7325, 0.3390,  
0.2991

78.3352, 0.3163,  
0.3243

45.4691, 0.3539,  
0.2861

92.8244, 0.3078,  
0.3359

37.7884, 0.3715,  
0.2733

96.5728, 0.3011,  
0.3290

31.5999, 0.3920,  
0.2618

■ 26.8037, 0.4150,  
0.2527

■ 23.2875, 0.4400,  
0.2471

■ 20.9215, 0.4660,  
0.2464

■ 19.5476, 0.4914,  
0.2512

■ 19.0537, 0.5060,  
0.2561

# Harmonies

## Analogous

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



65.6592, 0.3081, 0.3018



65.6592, 0.3266, 0.3120



65.6592, 0.3416, 0.3266

# Triad

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



65.6592, 0.3266, 0.3120



65.6592, 0.3339, 0.3611



65.6592, 0.2780, 0.3142

# Complementary

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



65.6592, 0.3266, 0.3120



77.8570, 0.3007, 0.3466

# 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.



65.6592, 0.2845, 0.3305



65.6592, 0.3266, 0.3120



65.6592, 0.3165, 0.3583

# Square

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



65.6592, 0.3266, 0.3120



65.6592, 0.3459, 0.3549



65.6592, 0.2984, 0.3469



65.6592, 0.2804, 0.3026



# Rectangle

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



65.6592, 0.3266, 0.3120



65.6592, 0.3475, 0.3371



65.6592, 0.2984, 0.3469



65.6592, 0.2792, 0.3193

# Sweetspot

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



65.6621, 0.3266, 0.3120



93.3296, 0.3163, 0.3243



63.9102, 0.3021, 0.2932



19.7163, 0.3170, 0.3234



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.



65.6621, 0.3266, 0.3120



74.0347, 0.3302, 0.3081



64.8608, 0.3386, 0.3291



15.1756, 0.3217, 0.3176



10.5288, 0.5023, 0.2541



0.8461, 0.4705, 0.2366



# Inverse Universe

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



65.6621, 0.3266, 0.3120



74.0347, 0.3302, 0.3081



78.7444, 0.2914, 0.3289



15.1756, 0.3217, 0.3176



10.5288, 0.5023, 0.2541

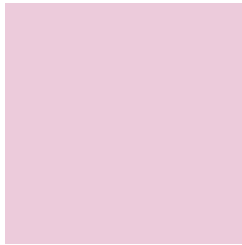


0.8461, 0.4705, 0.2366



# Previews

## White Background



This preview shows how the Yxy color 65.6592, 0.3266, 0.3120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

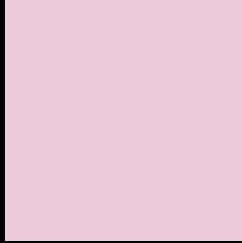
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.6592, 0.3266, 0.3120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

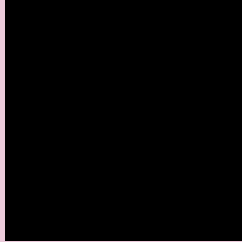
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.6592, 0.3266, 0.3120**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.6592, 0.3266, 0.3120.

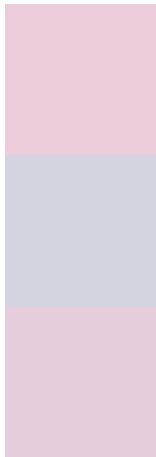


This preview shows how white text looks on a background with the Yxy color 65.6592, 0.3266, 0.3120.

# 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

65.6592, 0.3266, 0.3120

### Protanopia

65.9674, 0.3046, 0.3145

### Deuteranopia

65.4351, 0.3210, 0.3139



## Tritanopia

65.6592, 0.3266, 0.3120

# Trichromacy



## Original Color

65.6592, 0.3266, 0.3120

## Protanomaly

65.7578, 0.3127, 0.3136

## Deuteranomaly

65.4560, 0.3234, 0.3129

## Tritanomaly

65.6592, 0.3266, 0.3120

# Monochromacy



## Original Color

65.6592, 0.3266, 0.3120

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

67.2344, 0.3182, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6592, 0.3266, 0.3120 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(236, 203, 219)` looks like.

```
.text, #text, p{  
    color:rgb(236, 203, 219)  
}
```

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(236, 203, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 203, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6592, 0.3266, 0.3120 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(236, 203, 219) }
```

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

```
.border{ border-color:rgb(236, 203, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 203, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 203, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 203, 219);  
box-shadow:4px 4px 4px 4px rgb(236, 203,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.6592, 0.3266, 0.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 203, 219) }
```

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

```
.background{ background-color: rgb(236,  
203, 219) }
```

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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