

# Converting Colors

$Yxy(56.7977, 0.3286, 0.2946)$

Have a look what the booklet for  
Yxy(56.7977, 0.3286, 0.2946)  
contains.

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# Color

**Yxy(56.5625, 0.3284, 0.2942)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9B8D8
RGB	233, 184, 216
RGB Percent	91%, 72%, 85%
CMY	0.0863, 0.2784, 0.1529
CMYK	0.00, 0.21, 0.07, 0.09
HSL	321°, 53%, 82%
HSV	321°, 21%, 91%
XYZ	63.1377, 56.5625, 72.5584
YIQ	202.2990, 18.9320, 20.3400

# Conversions

## Conversions Part 2

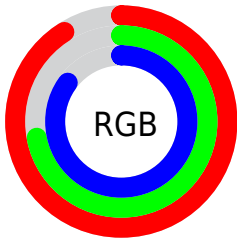
Format	Color
R <sub>Y</sub> B	233, 184, 216
Decimal	15317208
CIE Lab	79.93, 22.76, -9.29
CIE LCh	80, 24.587, 337.799
Yxy	56.5625, 0.3284, 0.2942
Android (android.graphics.Color)	4293507288 (0xFFE9B8D8)
YUV	202.2990, 6.7546, 26.9248
Hunter-Lab	75.2080, 18.2381, -4.5555

# Details

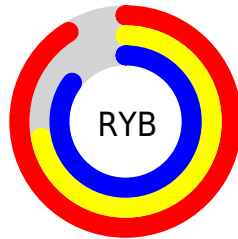
The Yxy color  $56.5625, 0.3284, 0.2942$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $72.6818, 0.2998, 0.3666$ , and the grayscale version is  $59.2085, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $90.8002, 0.3134, 0.3146$ , and  $28.1529, 0.3326, 0.2865$  is the 20% darker color. If you saturate the color by 10%, you get  $47.2610, 0.3380, 0.2770$ , and if you desaturate by 10%, it is  $67.4837, 0.3202, 0.3111$ .

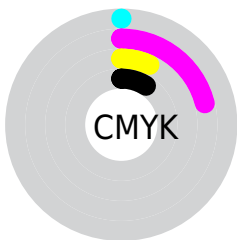
# Distribution



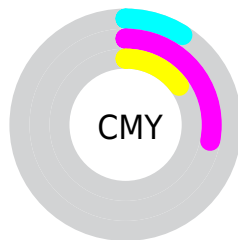
- Red (91%)
- Green (72%)
- Blue (85%)



- Red (91%)
- Yellow (72%)
- Blue (85%)



- Cyan (0%)
- Magenta (21%)
- Yellow (7%)
- Black (9%)




- Cyan (9%)
- Magenta (28%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5625, 0.3284, 0.2942 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 56.5625, 0.3284, 0.2942 by changing the saturation by 10% instead.





 56.5625, 0.3284,  
0.2942

 56.5625, 0.3284,  
0.2942


411.8079, 0.3210,  
0.3106

 40.6541, 0.3301,  
0.2904


 99.8265, 0.3258,  
0.2999

 28.0489, 0.3322,  
0.2857


127.9510, 0.3248,  
0.3021

 18.3625, 0.3349,  
0.2797

160.9162, 0.3240,  
0.3040

 11.2106, 0.3385,  
0.2717

199.1066, 0.3232,  
0.3057

 6.2087, 0.3434,  
0.2607

242.9065, 0.3226,  
0.3071

 2.9724, 0.3507,  
0.2445

292.7005, 0.3220,

 1.1173, 0.3622,

0.3084

0.2185

348.8728, 0.3215,  
0.3095

0.0000, 0.4610,  
0.0000

0.0000, 0.0000,  
0.0000

56.5625, 0.3284,  
0.2942

56.5625, 0.3284,  
0.2942

47.2610, 0.3380,  
0.2770

67.4837, 0.3202,  
0.3111

39.4934, 0.3490,  
0.2600

80.0900, 0.3134,  
0.3274

33.1774, 0.3616,  
0.2442

94.4523, 0.3076,  
0.3427

28.2199, 0.3755,  
0.2306

95.6399, 0.3030,  
0.3356

■ 24.5168, 0.3904,  
0.2203

■ 96.0624, 0.2993,  
0.3290

■ 21.9491, 0.4058,  
0.2145

■ 20.3742, 0.4212,  
0.2137

■ 19.5957, 0.4347,  
0.2168

# Harmonies

## Analogous

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



56.5625, 0.2958, 0.2795



56.5625, 0.3284, 0.2942



56.5625, 0.3579, 0.3172

# Triad

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



56.5625, 0.3284, 0.2942



56.5625, 0.3564, 0.3842



56.5625, 0.2541, 0.3089

# Complementary

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



56.5625, 0.3284, 0.2942



72.6818, 0.2998, 0.3666

# 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.



56.5625, 0.2687, 0.3392



56.5625, 0.3284, 0.2942



56.5625, 0.3272, 0.3848

# Square

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



56.5625, 0.3284, 0.2942



56.5625, 0.3743, 0.3684



56.5625, 0.2951, 0.3680



56.5625, 0.2543, 0.2865



# Rectangle

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



56.5625, 0.3284, 0.2942



56.5625, 0.3712, 0.3349



56.5625, 0.2951, 0.3680



56.5625, 0.2574, 0.3185

# Sweetspot

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



56.5650, 0.3284, 0.2942



90.2866, 0.3167, 0.3194



52.4930, 0.2896, 0.2726



19.1087, 0.3171, 0.3183



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.



56.5650, 0.3284, 0.2942



64.5078, 0.3321, 0.2871



55.4203, 0.3480, 0.3200



15.2199, 0.3191, 0.3137



11.1441, 0.4324, 0.2156



0.8931, 0.4130, 0.2049



# Inverse Universe

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



56.5650, 0.3284, 0.2942



64.5078, 0.3321, 0.2871



73.8918, 0.2860, 0.3383



15.2199, 0.3191, 0.3137



11.1441, 0.4324, 0.2156

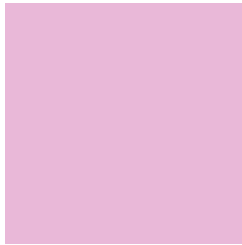


0.8931, 0.4130, 0.2049



# Previews

## White Background



This preview shows how the Yxy color 56.5625, 0.3284, 0.2942 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

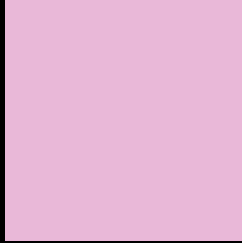
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.5625, 0.3284, 0.2942 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

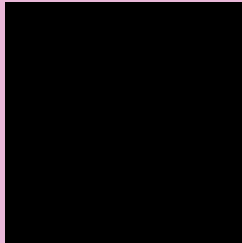
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.5625, 0.3284, 0.2942**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.5625, 0.3284, 0.2942.



This preview shows how white text looks on a background with the Yxy color 56.5625, 0.3284, 0.2942.

# 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

56.5625, 0.3284, 0.2942

### Protanopia

56.7837, 0.2915, 0.2973

### Deuteranopia

56.6966, 0.3107, 0.3048



## Tritanopia

56.7466, 0.3385, 0.3135

# Trichromacy



## Original Color

56.5625, 0.3284, 0.2942

## Protanomaly

56.3296, 0.3041, 0.2957

## Deuteranomaly

56.6386, 0.3165, 0.3008

## Tritanomaly

56.7298, 0.3354, 0.3070

# Monochromacy



## Original Color

56.5625, 0.3284, 0.2942

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

57.6813, 0.3181, 0.3152

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.5625, 0.3284, 0.2942 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(233, 184, 216)` looks like.

```
.text, #text, p{  
    color:rgb(233, 184, 216)  
}
```

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(233, 184, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 184, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 56.5625, 0.3284, 0.2942 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(233, 184, 216) }
```

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

```
.border{ border-color:rgb(233, 184, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 184, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 184, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 184, 216);  
box-shadow:4px 4px 4px 4px rgb(233, 184,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.5625, 0.3284, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 184, 216) }
```

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

```
.background{ background-color: rgb(233,  
184, 216) }
```

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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