

# Converting Colors

$Y_{xy}(41.0555, 0.3310, 0.3173)$

Have a look what the booklet for  
Yxy(41.0555, 0.3310, 0.3173)  
contains.

<b>Yxy(41.1727, 0.3301, 0.3173)</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(41.1727, 0.3301, 0.3173)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0A5AE
RGB	192, 165, 174
RGB Percent	75%, 65%, 68%
CMY	0.2471, 0.3529, 0.3175
CMYK	0.00, 0.14, 0.09, 0.25
HSL	340°, 18%, 70%
HSV	340°, 14%, 75%
XYZ	42.8336, 41.1727, 45.7532
YIQ	174.0990, 13.2030, 8.5230

# Conversions

## Conversions Part 2

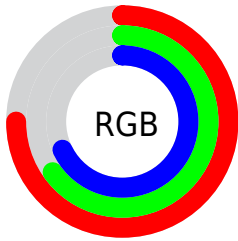
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 165, 174
Decimal	12625326
CIE <sub>Lab</sub>	70.30, 11.37, -1.01
CIE <sub>LCh</sub>	70, 11.418, 354.903
Yxy	41.1727, 0.3301, 0.3173
Android (android.graphics.Color)	4290815406 (0xFFC0A5AE)
YUV	174.0990, -0.0488, 15.6992
Hunter-Lab	64.1660, 6.8662, 2.6397

# Details

The Yxy color  $41.1727, 0.3301, 0.3173$  is a light color, and the websafe version is hex  $CC9999$ . A complement of this color would be  $49.1104, 0.2979, 0.3410$ , and the grayscale version is  $42.3773, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.9833, 0.3275, 0.3199$ , and  $18.6187, 0.3346, 0.3130$  is the 20% darker color. If you saturate the color by 10%, you get  $34.2857, 0.3458, 0.3084$ , and if you desaturate by 10%, it is  $49.1504, 0.3172, 0.3257$ .

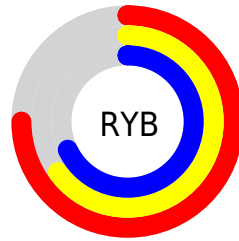
# Distribution



Red (75%)

Green (65%)

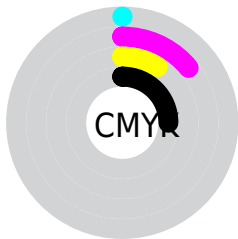
Blue (68%)



Red (75%)

Yellow (65%)

Blue (68%)

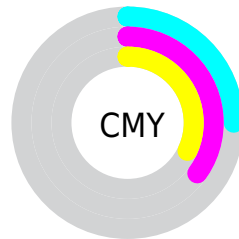


Cyan (0%)

Magenta (14%)

Yellow (9%)

Black (25%)



Cyan (25%)

Magenta (35%)


Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1727, 0.3301, 0.3173 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 41.1727, 0.3301, 0.3173 by changing the saturation by 10% instead.





 41.1727, 0.3301,  
0.3173

 41.1727, 0.3301,  
0.3173


351.0419, 0.3212,  
0.3233

 28.4541, 0.3324,  
0.3158


 76.9460, 0.3268,  
0.3195

 18.6682, 0.3353,  
0.3138


 100.7694, 0.3256,  
0.3203

 11.4308, 0.3393,  
0.3112


129.0632, 0.3246,  
0.3210

 6.3574, 0.3450,  
0.3074

162.2118, 0.3237,  
0.3216

 3.0636, 0.3538,  
0.3016

200.5996, 0.3230,  
0.3221

 1.1650, 0.3692,  
0.2916

244.6109, 0.3223,

 0.0329, 0.6888,

0.3225

0.0733

294.6302, 0.3218,  
0.3229

0.0000, 0.0000,  
0.0000

41.1727, 0.3301,  
0.3173

41.1727, 0.3301,  
0.3173

34.2857, 0.3458,  
0.3084

49.1504, 0.3172,  
0.3257

28.4364, 0.3649,  
0.2994

58.2577, 0.3067,  
0.3336

23.5755, 0.3878,  
0.2906

68.5387, 0.2981,  
0.3409

19.6478, 0.4148,  
0.2829

80.0331, 0.2911,  
0.3475

16.5923, 0.4457,  
0.2771

88.8916, 0.2849,  
0.3473

■ 14.3408, 0.4794,  
0.2745

■ 89.6687, 0.2784,  
0.3335

■ 12.8149, 0.5139,  
0.2762

■ 89.9447, 0.2762,  
0.3289

■ 11.9199, 0.5464,  
0.2829

■ 11.5781, 0.5642,  
0.2882

# Harmonies

## Analogous

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



41.1727, 0.3138, 0.3064



41.1727, 0.3301, 0.3173



41.1727, 0.3419, 0.3313

# Triad

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



41.1727, 0.3301, 0.3173



41.1727, 0.3275, 0.3583



41.1727, 0.2809, 0.3117

# Complementary

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



41.1727, 0.3301, 0.3173



49.1104, 0.2979, 0.3410

# 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.



41.1727, 0.2844, 0.3256



41.1727, 0.3301, 0.3173



41.1727, 0.3110, 0.3532

# Square

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



41.1727, 0.3301, 0.3173



41.1727, 0.3403, 0.3551



41.1727, 0.2953, 0.3410



41.1727, 0.2856, 0.3030



# Rectangle

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



41.1727, 0.3301, 0.3173



41.1727, 0.3454, 0.3407



41.1727, 0.2953, 0.3410



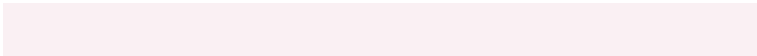
41.1727, 0.2811, 0.3159

# Sweetspot

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



41.1745, 0.3301, 0.3173



89.0554, 0.3172, 0.3257



40.7288, 0.3058, 0.2938



18.8546, 0.3181, 0.3251



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.1745, 0.3301, 0.3173



70.3882, 0.3348, 0.3145



42.3171, 0.3376, 0.3344



10.1323, 0.3238, 0.3213



7.8051, 0.5609, 0.2863



0.3502, 0.4972, 0.2512



# Inverse Universe

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



41.1745, 0.3301, 0.3173



70.3882, 0.3348, 0.3145



47.7458, 0.2914, 0.3236



10.1323, 0.3238, 0.3213



7.8051, 0.5609, 0.2863

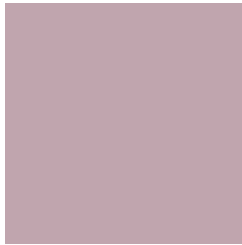


0.3502, 0.4972, 0.2512



# Previews

## White Background



This preview shows how the Yxy color 41.1727, 0.3301, 0.3173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

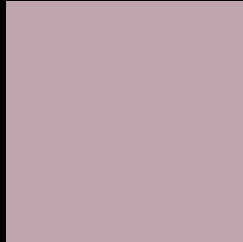
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.1727, 0.3301, 0.3173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

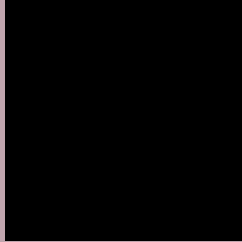
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 41.1727, 0.3301, 0.3173**

## Background



This preview shows how black text looks on a background with the Yxy color 41.1727, 0.3301, 0.3173.



This preview shows how white text looks on a background with the Yxy color 41.1727, 0.3301, 0.3173.

# 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

41.1727, 0.3301, 0.3173

### Protanopia

41.2244, 0.3087, 0.3195

### Deuteranopia

41.3848, 0.3261, 0.3198



## Tritanopia

40.9317, 0.3276, 0.3122

# Trichromacy



## Original Color

41.1727, 0.3301, 0.3173

## Protanomaly

41.2536, 0.3159, 0.3183

## Deuteranomaly

41.1472, 0.3272, 0.3186

## Tritanomaly

40.8920, 0.3285, 0.3135

# Monochromacy



## Original Color

41.1727, 0.3301, 0.3173

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

42.0056, 0.3192, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.1727, 0.3301, 0.3173 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(192, 165, 174)` looks like.

```
.text, #text, p{  
    color:rgb(192, 165, 174)  
}
```

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(192, 165, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 165, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 41.1727, 0.3301, 0.3173 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(192, 165, 174) }
```

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

```
.border{ border-color:rgb(192, 165, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 165, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 165, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 165, 174);  
box-shadow:4px 4px 4px 4px rgb(192, 165,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.1727, 0.3301, 0.3173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 165, 174) }
```

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

```
.background{ background-color: rgb(192,  
165, 174) }
```

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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