

Converting Colors

$Y_{xy}(42.4884, 0.3212, 0.3176)$

Have a look what the booklet for
Yxy(42.4884, 0.3212, 0.3176)
contains.

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Color

Yxy(42.5689, 0.3205, 0.3173)

Conversions

Conversions Part 1

Format	Color
Hex	BBAAB3
RGB	187, 170, 179
RGB Percent	73%, 67%, 70%
CMY	0.2668, 0.3333, 0.2981
CMYK	0.00, 0.09, 0.04, 0.27
HSL	328°, 11%, 70%
HSV	328°, 9%, 73%
XYZ	42.9982, 42.5689, 48.5927
YIQ	176.1090, 7.2430, 6.4030

Conversions

Conversions Part 2

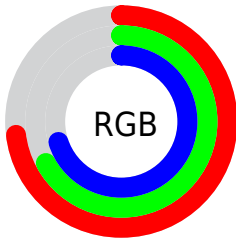
Format	Color
R_{YB}	187, 170, 179
Decimal	12298931
CIE Lab	71.26, 7.70, -2.39
CIE LCh	71, 8.066, 342.779
Yxy	42.5689, 0.3205, 0.3173
Android (android.graphics.Color)	4290489011 (0xFFBBAAB3)
YUV	176.1090, 1.4253, 9.5514
Hunter-Lab	65.2448, 3.4581, 1.5137

Details

The Yxy color $42.5689, 0.3205, 0.3173$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $47.2894, 0.3056, 0.3410$, and the grayscale version is $43.4643, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.9033, 0.3188, 0.3189$, and $19.5316, 0.3235, 0.3147$ is the 20% darker color. If you saturate the color by 10%, you get $35.7066, 0.3307, 0.3037$, and if you desaturate by 10%, it is $50.4546, 0.3120, 0.3302$.

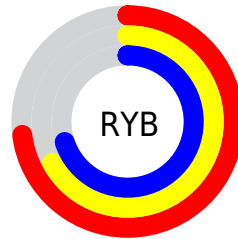
Distribution



Red (73%)

Green (67%)

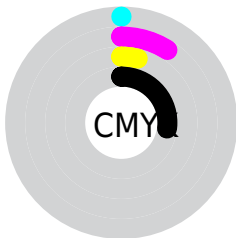
Blue (70%)



Red (73%)

Yellow (67%)

Blue (70%)

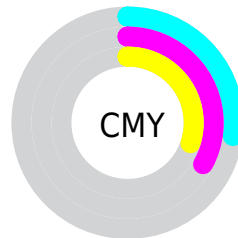


Cyan (0%)

Magenta (9%)

Yellow (4%)

Black (27%)



Cyan (27%)


Magenta (33%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5689, 0.3205, 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 42.5689, 0.3205, 0.3173 by changing the saturation by 10% instead.

 42.5689, 0.3205,
0.3173

 42.5689, 0.3205,
0.3173

356.8359, 0.3166,
0.3232

 29.5470, 0.3215,
0.3158


 79.0599, 0.3191,
0.3195

 19.4950, 0.3228,
0.3139

103.2978, 0.3185,
0.3203

 12.0285, 0.3245,
0.3113


132.0432, 0.3181,
0.3209

 6.7631, 0.3269,
0.3077

165.6804, 0.3177,
0.3215

 3.3144, 0.3306,
0.3022

204.5939, 0.3174,
0.3220

 1.2980, 0.3369,
0.2930

249.1681, 0.3171,

 0.1396, 0.4116,

0.3225

0.1792

299.7872, 0.3168,
0.3229

0.0000, 0.0000,
0.0000

42.5689, 0.3205,
0.3173

42.5689, 0.3205,
0.3173

35.7066, 0.3307,
0.3037

50.4546, 0.3120,
0.3302

29.8199, 0.3429,
0.2898

59.3979, 0.3049,
0.3422

24.8652, 0.3573,
0.2759

69.4383, 0.2991,
0.3533

20.7939, 0.3741,
0.2627

80.6117, 0.2943,
0.3636

17.5525, 0.3932,
0.2511

87.4078, 0.2899,
0.3642

■ 15.0818, 0.4142,
0.2424

■ 87.8948, 0.2853,
0.3543

■ 13.3147, 0.4366,
0.2378

■ 88.4069, 0.2808,
0.3445

■ 12.1724, 0.4593,
0.2381

■ 88.9443, 0.2764,
0.3349

■ 11.5150, 0.4816,
0.2433

■ 89.3009, 0.2736,
0.3289

Harmonies

Analogous

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



42.5689, 0.3087, 0.3110



42.5689, 0.3205, 0.3173



42.5689, 0.3303, 0.3266

Triad

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



42.5689, 0.3205, 0.3173



42.5689, 0.3272, 0.3492



42.5689, 0.2906, 0.3207

Complementary

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



42.5689, 0.3205, 0.3173



47.2894, 0.3056, 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.



42.5689, 0.2954, 0.3311



42.5689, 0.3205, 0.3173



42.5689, 0.3164, 0.3478

Square

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



42.5689, 0.3205, 0.3173



42.5689, 0.3342, 0.3450



42.5689, 0.3048, 0.3412



42.5689, 0.2916, 0.3128

Rectangle

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



42.5689, 0.3205, 0.3173



42.5689, 0.3343, 0.3334



42.5689, 0.3048, 0.3412



42.5689, 0.2916, 0.3240

Sweetspot

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



42.5708, 0.3205, 0.3173



84.5501, 0.3152, 0.3251



41.7985, 0.3057, 0.3065



18.3656, 0.3159, 0.3241



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.5708, 0.3205, 0.3173



73.5267, 0.3225, 0.3145



42.2408, 0.3278, 0.3283



9.6185, 0.3208, 0.3169



7.9146, 0.4811, 0.2424



0.3231, 0.4328, 0.2158

Inverse Universe

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



42.5708, 0.3205, 0.3173



73.5267, 0.3225, 0.3145



47.6376, 0.2993, 0.3297



9.6185, 0.3208, 0.3169



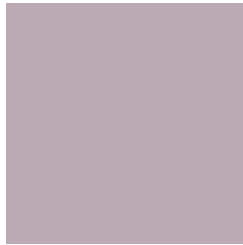
7.9146, 0.4811, 0.2424



0.3231, 0.4328, 0.2158

Previews

White Background



This preview shows how the Yxy color 42.5689, 0.3205, 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 42.5689, 0.3205, 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

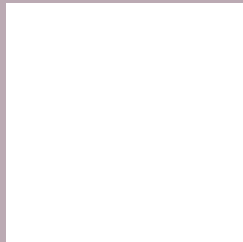
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5689, 0.3205, 0.3173

Background



This preview shows how black text looks on a background with the Yxy color 42.5689, 0.3205, 0.3173.



This preview shows how white text looks on a background with the Yxy color 42.5689, 0.3205, 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

42.5689, 0.3205, 0.3173

Protanopia

42.8384, 0.3088, 0.3196

Deuteranopia

42.4494, 0.3224, 0.3160



Tritanopia

42.4862, 0.3181, 0.3109

Trichromacy



Original Color

42.5689, 0.3205, 0.3173

Protanomaly

42.8857, 0.3132, 0.3197

Deuteranomaly

42.3220, 0.3215, 0.3160

Tritanomaly

42.4447, 0.3190, 0.3121

Monochromacy



Original Color

42.5689, 0.3205, 0.3173

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.1497, 0.3156, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5689, 0.3205, 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(187, 170, 179)` looks like.

```
.text, #text, p{  
    color:rgb(187, 170, 179)  
}
```

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(187, 170, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 170, 179) }
```

Border

The CSS property to change the border of an element to Yxy 42.5689, 0.3205, 0.3173 is called "border". The border property can be set on classes, ids or directly on the HTML element.

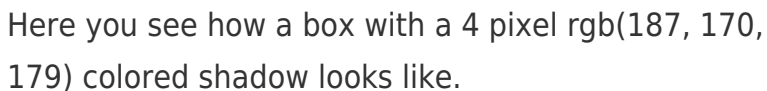
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 170, 179) }
```

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

```
.border{ border-color:rgb(187, 170, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 170, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 170, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 170, 179); box-shadow:4px 4px 4px 4px rgb(187, 170, 179) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5689, 0.3205, 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(187, 170, 179) }
```

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

```
.background{ background-color: rgb(187,  
170, 179) }
```

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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