

Converting Colors

$Y_{xy}(42.7587, 0.3160, 0.3100)$

Have a look what the booklet for
Yxy(42.7587, 0.3160, 0.3100)
contains.

Yxy(42.8170, 0.3154, 0.3096)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.8170, 0.3154, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	BBAAB9
RGB	187, 170, 185
RGB Percent	73%, 67%, 73%
CMY	0.2668, 0.3333, 0.2745
CMYK	0.00, 0.09, 0.01, 0.27
HSL	307°, 11%, 70%
HSV	307°, 9%, 73%
XYZ	43.6191, 42.8170, 51.8617
YIQ	176.7930, 5.3170, 8.2690

Conversions

Conversions Part 2

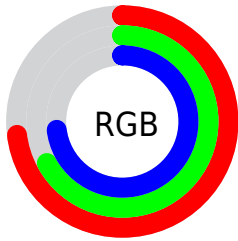
Format	Color
R_{YB}	187, 170, 185
Decimal	12298937
CIE Lab	71.43, 8.81, -5.45
CIE LCh	71, 10.363, 328.273
Yxy	42.8170, 0.3154, 0.3096
Android (android.graphics.Color)	4290489017 (0xFFBBAAB9)
YUV	176.7930, 4.0461, 8.9515
Hunter-Lab	65.4347, 4.4783, -1.1873

Details

The Yxy color $42.8170, 0.3154, 0.3096$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $47.0539, 0.3101, 0.3492$, and the grayscale version is $43.8276, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.2560, 0.3149, 0.3129$, and $19.6911, 0.3164, 0.3043$ is the 20% darker color. If you saturate the color by 10%, you get $36.2082, 0.3187, 0.2876$, and if you desaturate by 10%, it is $50.4279, 0.3125, 0.3309$.

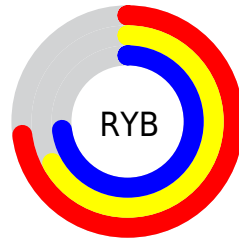
Distribution



Red (73%)

Green (67%)

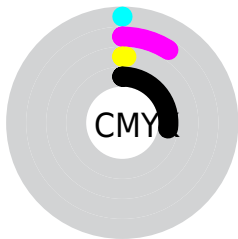
Blue (73%)



Red (73%)

Yellow (67%)

Blue (73%)

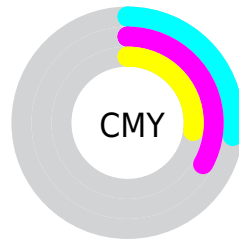


Cyan (0%)

Magenta (9%)

Yellow (1%)

Black (27%)



Cyan (27%)

Magenta (33%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8170, 0.3154, 0.3096 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 42.8170, 0.3154, 0.3096 by changing the saturation by 10% instead.

■ 42.8170, 0.3154,
0.3096

■ 42.8170, 0.3154,
0.3096

■ 357.8586, 0.3141,
0.3193

■ 29.7416, 0.3157,
0.3072

■ 79.4346, 0.3149,
0.3131

■ 19.6425, 0.3161,
0.3041

■ 103.7456, 0.3148,
0.3145

■ 12.1354, 0.3166,
0.2999

■ 132.5706, 0.3146,
0.3156

■ 6.8360, 0.3173,
0.2941

■ 166.2939, 0.3145,
0.3165

■ 3.3597, 0.3182,
0.2854

■ 205.2999, 0.3144,
0.3174

■ 1.3223, 0.3196,
0.2710

■ 249.9732, 0.3143,

■ 0.1584, 0.3394,

0.3181

0.1470

300.6979, 0.3142,
0.3187

0.0000, 0.0000,
0.0000

42.8170, 0.3154,
0.3096

42.8170, 0.3154,
0.3096

36.2082, 0.3187,
0.2876

50.4279, 0.3125,
0.3309

30.5541, 0.3224,
0.2654

59.0747, 0.3099,
0.3512

25.8117, 0.3265,
0.2437

68.7965, 0.3077,
0.3702

21.9325, 0.3308,
0.2235

79.6287, 0.3058,
0.3878

18.8636, 0.3353,
0.2056

86.0611, 0.3043,
0.3956

■ 16.5464, 0.3398,
0.1910

■ 86.1609, 0.3031,
0.3931

■ 14.9141, 0.3442,
0.1804

■ 86.2622, 0.3020,
0.3905

■ 13.8885, 0.3484,
0.1742

■ 86.3648, 0.3008,
0.3880

■ 13.3302, 0.3523,
0.1718

■ 86.4690, 0.2996,
0.3855

Harmonies

Analogous

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



42.8170, 0.3006, 0.3042



42.8170, 0.3154, 0.3096



42.8170, 0.3298, 0.3198

Triad

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



42.8170, 0.3154, 0.3096



42.8170, 0.3364, 0.3531



42.8170, 0.2865, 0.3245

Complementary

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



42.8170, 0.3154, 0.3096



47.0539, 0.3101, 0.3492

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.



42.8170, 0.2957, 0.3383



42.8170, 0.3154, 0.3096



42.8170, 0.3244, 0.3550

Square

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



42.8170, 0.3154, 0.3096



42.8170, 0.3420, 0.3447



42.8170, 0.3095, 0.3496



42.8170, 0.2842, 0.3124

Rectangle

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



42.8170, 0.3154, 0.3096



42.8170, 0.3370, 0.3282



42.8170, 0.3095, 0.3496



42.8170, 0.2889, 0.3291

Sweetspot

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



42.8189, 0.3154, 0.3096



84.7032, 0.3136, 0.3226



41.0797, 0.3003, 0.3062



18.4081, 0.3138, 0.3208



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.



42.8189, 0.3154, 0.3096



74.0705, 0.3161, 0.3050



42.4825, 0.3224, 0.3201



9.6766, 0.3155, 0.3090



9.1636, 0.3522, 0.1714



0.3644, 0.3438, 0.1667

Inverse Universe

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



42.8189, 0.3154, 0.3096



74.0705, 0.3161, 0.3050



47.3787, 0.3040, 0.3380



9.6766, 0.3155, 0.3090



9.1636, 0.3522, 0.1714



0.3644, 0.3438, 0.1667

Previews

White Background



This preview shows how the Yxy color 42.8170, 0.3154, 0.3096 looks on a white background.

Color Contrast Check

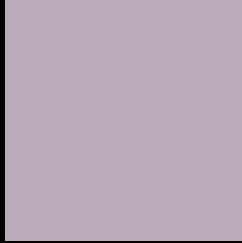
Large Text (above 18pt) WCAG AA × Fail

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 42.8170, 0.3154, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

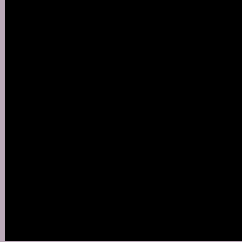
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

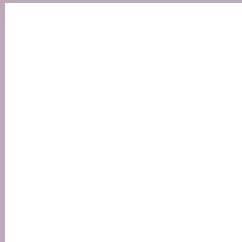
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8170, 0.3154, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 42.8170, 0.3154, 0.3096.



This preview shows how white text looks on a background with the Yxy color 42.8170, 0.3154, 0.3096.

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

42.8170, 0.3154, 0.3096

Protanopia

42.9739, 0.3031, 0.3117

Deuteranopia

42.8170, 0.3154, 0.3096



Tritanopia

42.7749, 0.3163, 0.3109

Trichromacy



Original Color

42.8170, 0.3154, 0.3096

Protanomaly

43.0160, 0.3074, 0.3119

Deuteranomaly

42.8170, 0.3154, 0.3096

Tritanomaly

42.7749, 0.3163, 0.3109

Monochromacy



Original Color

42.8170, 0.3154, 0.3096

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

43.3911, 0.3140, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8170, 0.3154, 0.3096 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(187, 170, 185)  
}
```

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, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 170, 185) }
```

Border

The CSS property to change the border of an element to Yxy 42.8170, 0.3154, 0.3096 is called "border". The border property can be set on classes, ids or directly on the HTML element.

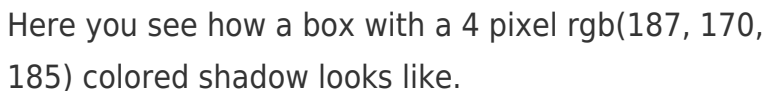
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 170, 185) }
```

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

```
.border{ border-color:rgb(187, 170, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 170, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 170, 185); box-shadow:4px 4px 4px 4px rgb(187, 170, 185) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8170, 0.3154, 0.3096 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, 185) }
```

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

```
.background{ background-color: rgb(187,  
170, 185) }
```

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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