

Converting Colors

$Y_{xy}(50.2320, 0.3243, 0.3306)$

Have a look what the booklet for
Yxy(50.2320, 0.3243, 0.3306)
contains.

Yxy(50.1644, 0.3245, 0.3303)	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(50.1644, 0.3245, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	C6B9B8
RGB	198, 185, 184
RGB Percent	78%, 73%, 72%
CMY	0.2236, 0.2745, 0.2785
CMYK	0.00, 0.07, 0.07, 0.22
HSL	4°, 11%, 75%
HSV	4°, 7%, 78%
XYZ	49.2835, 50.1644, 52.4273
YIQ	188.7730, 8.0690, 2.4450

Conversions

Conversions Part 2

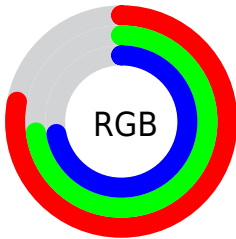
Format	Color
R _Y B	198, 185, 184
Decimal	13023672
CIE Lab	76.17, 4.41, 2.16
CIE LCh	76, 4.905, 26.078
Yxy	50.1644, 0.3245, 0.3303
Android (android.graphics.Color)	4291213752 (0xFFC6B9B8)
YUV	188.7730, -2.3531, 8.0921
Hunter-Lab	70.8268, 0.2589, 5.6912

Details

The Yxy color $50.1644, 0.3245, 0.3303$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.1764, 0.3019, 0.3277$, and the grayscale version is $50.7619, 0.3127, 0.3290$.

A 20% lighter version of the original color is $90.4619, 0.3226, 0.3300$, and $24.0705, 0.3277, 0.3307$ is the 20% darker color. If you saturate the color by 10%, you get $42.2043, 0.3445, 0.3323$, and if you desaturate by 10%, it is $59.2360, 0.3083, 0.3285$.

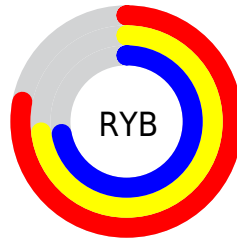
Distribution



Red (78%)

Green (73%)

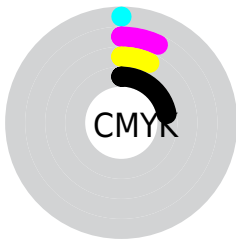
Blue (72%)



Red (78%)

Yellow (73%)

Blue (72%)

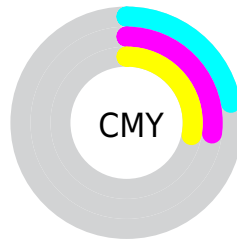


Cyan (0%)

Magenta (7%)

Yellow (7%)

Black (22%)



Cyan (22%)


Magenta (27%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1644, 0.3245, 0.3303 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 50.1644, 0.3245, 0.3303 by changing the saturation by 10% instead.

 50.1644, 0.3245,
0.3303

 50.1644, 0.3245,
0.3303

387.3085, 0.3187,
0.3297

 35.5440, 0.3259,
0.3304


 90.4184, 0.3224,
0.3301

 24.0823, 0.3278,
0.3306


116.8209, 0.3216,
0.3300

 15.3947, 0.3302,
0.3308


147.9194, 0.3209,
0.3299

 9.0968, 0.3336,
0.3311

184.0986, 0.3203,
0.3299

 4.8044, 0.3386,
0.3316

225.7427, 0.3198,
0.3298

 2.1330, 0.3468,
0.3321

273.2361, 0.3194,

 0.6831, 0.3723,

0.3298

0.3360

326.9632, 0.3190,
0.3297

0.0000, 0.0000,
0.0000

50.1644, 0.3245,
0.3303

50.1644, 0.3245,
0.3303

42.2043, 0.3445,
0.3323

59.2360, 0.3083,
0.3285

35.3067, 0.3692,
0.3344

69.4526, 0.2952,
0.3268

29.4286, 0.3994,
0.3364

80.8546, 0.2845,
0.3253

24.5216, 0.4356,
0.3383

90.7424, 0.2794,
0.3289

20.5335, 0.4776,
0.3398

■ 17.4070, 0.5231,
0.3404

■ 15.0784, 0.5678,
0.3397

■ 13.4752, 0.6053,
0.3375

■ 12.5107, 0.6298,
0.3344

Harmonies

Analogous

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



50.1644, 0.3200, 0.3245



50.1644, 0.3245, 0.3303



50.1644, 0.3259, 0.3358

Triad

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



50.1644, 0.3245, 0.3303



50.1644, 0.3119, 0.3384



50.1644, 0.3019, 0.3184

Complementary

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



50.1644, 0.3245, 0.3303



54.1764, 0.3019, 0.3277

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.



50.1644, 0.2998, 0.3220



50.1644, 0.3245, 0.3303



50.1644, 0.3055, 0.3336

Square

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



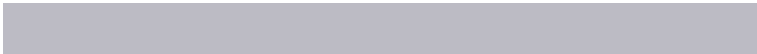
50.1644, 0.3245, 0.3303



50.1644, 0.3185, 0.3406



50.1644, 0.3011, 0.3276



50.1644, 0.3069, 0.3177

Rectangle

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



50.1644, 0.3245, 0.3303



50.1644, 0.3248, 0.3387



50.1644, 0.3011, 0.3276



50.1644, 0.3008, 0.3193

Sweetspot

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



50.1666, 0.3245, 0.3303



96.6968, 0.3159, 0.3294



50.3131, 0.3142, 0.3131



20.7317, 0.3158, 0.3293



0.0000, 0.0000, 0.0000



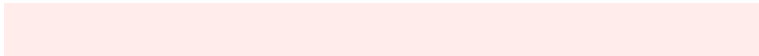
21.4041, 0.3127, 0.3290

Same Dimension

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



50.1666, 0.3245, 0.3303



87.2787, 0.3264, 0.3305



53.1250, 0.3237, 0.3388



10.7594, 0.3288, 0.3307



8.0690, 0.6339, 0.3349



0.4264, 0.6136, 0.3510

Inverse Universe

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



54.1764, 0.3019, 0.3277



95.3862, 0.3003, 0.3275



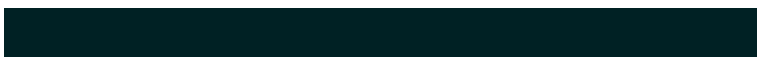
51.1145, 0.3020, 0.3190



11.9297, 0.2984, 0.3272



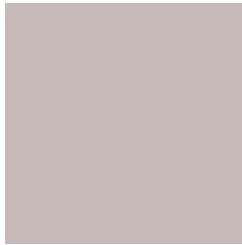
24.8709, 0.2184, 0.3062



1.2182, 0.2198, 0.3113

Previews

White Background



This preview shows how the Yxy color 50.1644, 0.3245, 0.3303 looks on a white background.

Color Contrast Check

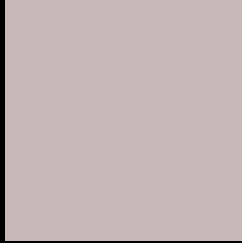
Large Text (above 18pt) WCAG AA × Fail

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 50.1644, 0.3245, 0.3303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

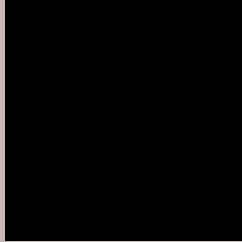
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

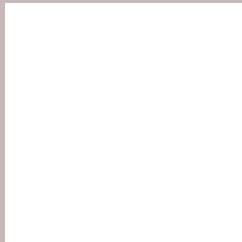
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1644, 0.3245, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 50.1644, 0.3245, 0.3303.



This preview shows how white text looks on a background with the Yxy color 50.1644, 0.3245, 0.3303.

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

50.1644, 0.3245, 0.3303

Protanopia

50.2499, 0.3184, 0.3315

Deuteranopia

50.2241, 0.3319, 0.3254



Tritanopia

50.1776, 0.3160, 0.3120

Trichromacy



Original Color

50.1644, 0.3245, 0.3303

Protanomaly

50.0899, 0.3202, 0.3303

Deuteranomaly

50.2071, 0.3291, 0.3266

Tritanomaly

50.2289, 0.3191, 0.3192

Monochromacy



Original Color

50.1644, 0.3245, 0.3303

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.7608, 0.3168, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1644, 0.3245, 0.3303 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(198, 185, 184)` looks like.

```
.text, #text, p{  
    color:rgb(198, 185, 184)  
}
```

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(198, 185, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 185, 184) }
```

Border

The CSS property to change the border of an element to Yxy 50.1644, 0.3245, 0.3303 is called "border". The border property can be set on classes, ids or directly on the HTML element.

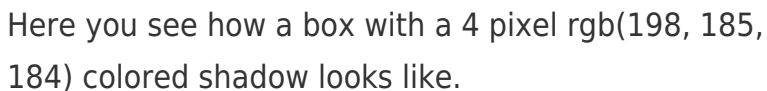
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 185, 184) }
```

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

```
.border{ border-color:rgb(198, 185, 184) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 185, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 185, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 185, 184); box-shadow:4px 4px 4px 4px rgb(198, 185, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1644, 0.3245, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 185, 184) }
```

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

```
.background{ background-color: rgb(198,  
185, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor