

Converting Colors

$Y_{xy}(49.9455, 0.3419, 0.3771)$

Have a look what the booklet for
Yxy(49.9455, 0.3419, 0.3771)
contains.

Yxy(50.0740, 0.3416, 0.3768)	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(50.0740, 0.3416, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	BEBE99
RGB	190, 190, 153
RGB Percent	75%, 75%, 60%
CMY	0.2550, 0.2549, 0.3999
CMYK	0.00, 0.00, 0.19, 0.25
HSL	60°, 22%, 67%
HSV	60°, 19%, 75%
XYZ	45.3962, 50.0740, 37.4226
YIQ	185.7820, 11.8770, -11.5070

Conversions

Conversions Part 2

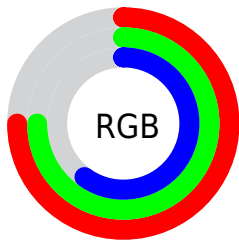
Format	Color
RYB	153, 190, 153
Decimal	12500633
CIELab	76.11, -6.21, 18.72
CIELCh	76, 19.726, 108.343
Yxy	50.0740, 0.3416, 0.3768
Android (android.graphics.Color)	4290690713 (0xFFBEBE99)
YUV	185.7820, -16.1615, 3.6992
Hunter-Lab	70.7630, -9.3231, 18.1789

Details

The Yxy color **50.0740, 0.3416, 0.3768** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.2894, 0.2809, 0.2763**, and the grayscale version is **49.0622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1907, 0.3372, 0.3683**, and **24.0849, 0.3486, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **49.4952, 0.3566, 0.4016**, and if you desaturate by 10%, it is **50.7572, 0.3266, 0.3520**.

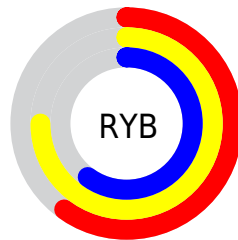
Distribution



Red (75%)

Green (75%)

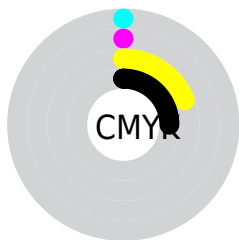
Blue (60%)



Red (60%)

Yellow (75%)

Blue (60%)

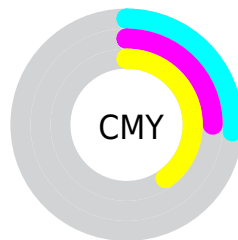


Cyan (0%)

Magenta (0%)

Yellow (19%)

Black (25%)



Cyan (26%)


Magenta (25%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0740, 0.3416, 0.3768 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 50.0740, 0.3416, 0.3768 by changing the saturation by 10% instead.


 50.0740, 0.3416,
0.3768


 50.0740, 0.3416,
0.3768


386.9553, 0.3275,
0.3529

 35.4722, 0.3450,
0.3827


 90.2845, 0.3366,
0.3681

 24.0268, 0.3492,
0.3903


 116.6620, 0.3347,
0.3649

 15.3535, 0.3547,
0.4004


147.7335, 0.3331,
0.3621

 9.0679, 0.3620,
0.4143

183.8835, 0.3316,
0.3598

 4.7855, 0.3721,
0.4345

225.4962, 0.3304,
0.3577

 2.1220, 0.3894,
0.4702

272.9562, 0.3293,

 0.6769, 0.4208,

0.3559

0.5792

326.6477, 0.3284,
0.3543

0.0000, 0.0000,
0.0000

50.0740, 0.3416,
0.3768

50.0740, 0.3416,
0.3768

49.4952, 0.3566,
0.4016

50.7572, 0.3266,
0.3520

49.0095, 0.3710,
0.4255

51.5426, 0.3119,
0.3277

48.6140, 0.3843,
0.4476

52.4365, 0.2980,
0.3046

48.3030, 0.3960,
0.4669

53.4428, 0.2849,
0.2829

48.0705, 0.4054,
0.4826

54.5654, 0.2728,
0.2629

■ 47.9093, 0.4124,
0.4941

■ 55.0079, 0.2686,
0.2560

■ 47.8111, 0.4168,
0.5014

■ 55.0100, 0.2686,
0.2560

■ 47.7606, 0.4191,
0.5052

■ 55.0122, 0.2686,
0.2560

■ 47.7583, 0.4192,
0.5054

■ 55.0143, 0.2686,
0.2560

Harmonies

Analogous

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



50.0740, 0.3604, 0.3680



50.0740, 0.3416, 0.3768



50.0740, 0.3155, 0.3718

Triad

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



50.0740, 0.3416, 0.3768



50.0740, 0.2620, 0.3048



50.0740, 0.3353, 0.3059

Complementary

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



50.0740, 0.3416, 0.3768



33.2894, 0.2809, 0.2763

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.



50.0740, 0.3081, 0.2906



50.0740, 0.3416, 0.3768



50.0740, 0.2666, 0.2891

Square

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



50.0740, 0.3416, 0.3768



50.0740, 0.2701, 0.3285



50.0740, 0.2831, 0.2843



50.0740, 0.3570, 0.3271

Rectangle

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



50.0740, 0.3416, 0.3768



50.0740, 0.2977, 0.3609



50.0740, 0.2831, 0.2843



50.0740, 0.3264, 0.3000

Sweetspot

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



50.0762, 0.3416, 0.3768



92.4265, 0.3216, 0.3437



36.0421, 0.3505, 0.3291



20.2759, 0.3226, 0.3453



97.7402, 0.3127, 0.3290



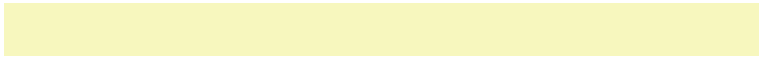
20.4902, 0.3127, 0.3290

Same Dimension

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



50.0762, 0.3416, 0.3768



90.3025, 0.3475, 0.3866



47.8485, 0.3256, 0.3793



11.1201, 0.3264, 0.3517



31.7533, 0.4192, 0.5054



1.2439, 0.4192, 0.5053

Inverse Universe

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



33.2894, 0.2809, 0.2763



54.7761, 0.2735, 0.2642



35.2274, 0.2975, 0.2788



9.2258, 0.2984, 0.3053



2.4729, 0.1500, 0.0600



0.0970, 0.1502, 0.0601

Previews

White Background



This preview shows how the Yxy color 50.0740, 0.3416, 0.3768 looks on a white background.

Color Contrast Check

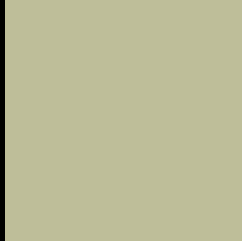
Large Text (above 18pt) WCAG AA × Fail

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 50.0740, 0.3416, 0.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

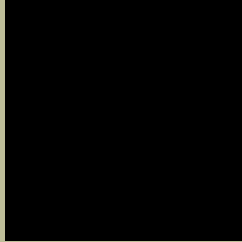
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

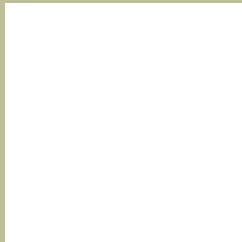
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0740, 0.3416, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 50.0740, 0.3416, 0.3768.



This preview shows how white text looks on a background with the Yxy color 50.0740, 0.3416, 0.3768.

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

50.0740, 0.3416, 0.3768

Protanopia

49.9498, 0.3512, 0.3733

Deuteranopia

49.7608, 0.3670, 0.3592



Tritanopia

50.0940, 0.3119, 0.3118

Trichromacy



Original Color

50.0740, 0.3416, 0.3768

Protanomaly

49.9692, 0.3482, 0.3749

Deuteranomaly

49.8795, 0.3576, 0.3662

Tritanomaly

49.9645, 0.3226, 0.3340

Monochromacy



Original Color

50.0740, 0.3416, 0.3768

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1614, 0.3229, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0740, 0.3416, 0.3768 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(190, 190, 153)` looks like.

```
.text, #text, p{  
    color:rgb(190, 190, 153)  
}
```

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(190, 190, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 190, 153) }
```

Border

The CSS property to change the border of an element to Yxy 50.0740, 0.3416, 0.3768 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(190, 190, 153) }
```

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

```
.border{ border-color:rgb(190, 190, 153) }
```

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

Here you see how a box with a 4 pixel rgb(190, 190, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 190, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 190, 153);  
box-shadow:4px 4px 4px 4px rgb(190, 190,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0740, 0.3416, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 190, 153) }
```

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

```
.background{ background-color: rgb(190,  
190, 153) }
```

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