

Converting Colors

Yxy(48.0081, 0.3504, 0.3535)

Have a look what the booklet for
Yxy(48.0081, 0.3504, 0.3535)
contains.

Yxy(48.0180, 0.3508, 0.3541)	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(48.0180, 0.3508, 0.3541)

Conversions

Conversions Part 1

Format	Color
Hex	CCB4A0
RGB	204, 180, 160
RGB Percent	80%, 71%, 63%
CMY	0.2000, 0.2941, 0.3726
CMYK	0.00, 0.12, 0.22, 0.20
HSL	27°, 30%, 71%
HSV	27°, 22%, 80%
XYZ	47.5705, 48.0180, 40.0173
YIQ	184.8960, 20.7240, -1.1320

Conversions

Conversions Part 2

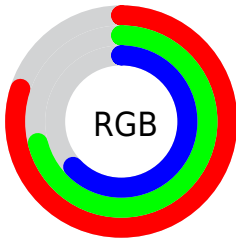
Format	Color
R _Y B	204, 197, 160
Decimal	13415584
CIE Lab	74.84, 5.45, 13.35
CIE LCh	75, 14.422, 67.816
Yxy	48.0180, 0.3508, 0.3541
Android (android.graphics.Color)	4291605664 (0xFFCCB4A0)
YUV	184.8960, -12.2737, 16.7542
Hunter-Lab	69.2950, 1.2726, 14.2671

Details

The Yxy color **48.0180, 0.3508, 0.3541** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.1184, 0.2790, 0.3025**, and the grayscale version is **48.5175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1572, 0.3392, 0.3500**, and **22.6510, 0.3619, 0.3612** is the 20% darker color. If you saturate the color by 10%, you get **43.0490, 0.3726, 0.3664**, and if you desaturate by 10%, it is **53.4694, 0.3317, 0.3421**.

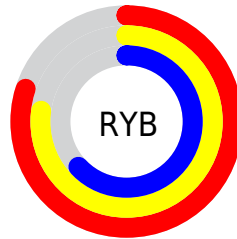
Distribution



Red (80%)

Green (71%)

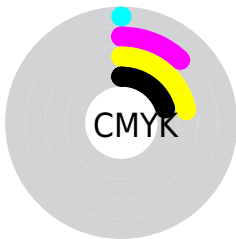
Blue (63%)



Red (80%)

Yellow (77%)

Blue (63%)

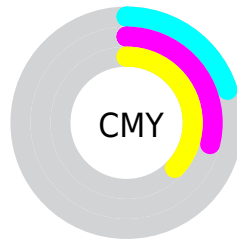


Cyan (0%)

Magenta (12%)

Yellow (22%)

Black (20%)



Cyan (20%)


Magenta (29%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0180, 0.3508, 0.3541 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 48.0180, 0.3508, 0.3541 by changing the saturation by 10% instead.


 48.0180, 0.3508,
0.3541


 48.0180, 0.3508,
0.3541

378.8635, 0.3318,
0.3418

 33.8411, 0.3555,
0.3571

 87.2312, 0.3439,
0.3497

 22.7716, 0.3616,
0.3608


 113.0363, 0.3413,
0.3480

 14.4249, 0.3697,
0.3657


143.4864, 0.3391,
0.3466

 8.4168, 0.3809,
0.3723

178.9656, 0.3372,
0.3454

 4.3628, 0.3974,
0.3816

219.8586, 0.3356,
0.3443

 1.8785, 0.4242,
0.3957

266.5496, 0.3341,

 0.5354, 0.5452,

0.3434

0.4548

319.4231, 0.3329,
0.3426

0.0000, 0.0000,
0.0000

48.0180, 0.3508,
0.3541

48.0180, 0.3508,
0.3541

43.0490, 0.3726,
0.3664

53.4694, 0.3317,
0.3421

38.5416, 0.3972,
0.3786

59.4101, 0.3151,
0.3307

34.4833, 0.4243,
0.3899

65.8552, 0.3008,
0.3201

30.8580, 0.4533,
0.3993

72.8170, 0.2884,
0.3103

27.6487, 0.4829,
0.4056

79.8480, 0.2814,
0.3084

■ 24.8368, 0.5114,
0.4074

■ 86.4451, 0.2822,
0.3203

■ 22.4016, 0.5367,
0.4039

■ 91.5791, 0.2827,
0.3289

■ 20.6184, 0.5551,
0.3975

Harmonies

Analogous

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



48.0180, 0.3511, 0.3389



48.0180, 0.3508, 0.3541



48.0180, 0.3400, 0.3632

Triad

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



48.0180, 0.3508, 0.3541



48.0180, 0.2853, 0.3355



48.0180, 0.3024, 0.2976

Complementary

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



48.0180, 0.3508, 0.3541



46.1184, 0.2790, 0.3025

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.



48.0180, 0.2855, 0.2959



48.0180, 0.3508, 0.3541



48.0180, 0.2758, 0.3171

Square

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



48.0180, 0.3508, 0.3541



48.0180, 0.3020, 0.3527



48.0180, 0.2759, 0.3027



48.0180, 0.3227, 0.3070

Rectangle

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



48.0180, 0.3508, 0.3541



48.0180, 0.3286, 0.3641



48.0180, 0.2759, 0.3027



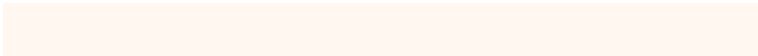
48.0180, 0.2962, 0.2961

Sweetspot

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



48.0202, 0.3508, 0.3541



93.8432, 0.3223, 0.3358



41.4494, 0.3329, 0.2990



19.9468, 0.3234, 0.3365



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.



48.0202, 0.3508, 0.3541



75.4962, 0.3608, 0.3600



57.5299, 0.3455, 0.3798



12.0394, 0.3279, 0.3396



13.1568, 0.5527, 0.3993



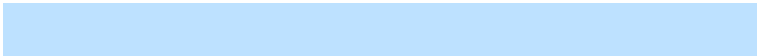
0.8297, 0.5201, 0.4252

Inverse Universe

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



46.1184, 0.2790, 0.3025



71.7799, 0.2714, 0.2958



37.7443, 0.2769, 0.2725



11.8412, 0.2983, 0.3182



10.1277, 0.1818, 0.1745



0.6730, 0.1910, 0.2074

Previews

White Background



This preview shows how the Yxy color 48.0180, 0.3508, 0.3541 looks on a white background.

Color Contrast Check

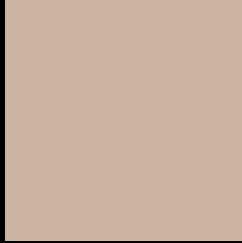
Large Text (above 18pt) WCAG AA × Fail

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 48.0180, 0.3508, 0.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

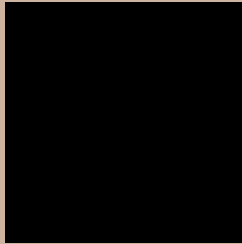
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.0180, 0.3508, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 48.0180, 0.3508, 0.3541.



This preview shows how white text looks on a background with the Yxy color 48.0180, 0.3508, 0.3541.

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

48.0180, 0.3508, 0.3541

Protanopia

48.2271, 0.3383, 0.3573

Deuteranopia

47.8312, 0.3580, 0.3500



Tritanopia

48.1347, 0.3302, 0.3133

Trichromacy



Original Color

48.0180, 0.3508, 0.3541

Protanomaly

48.3105, 0.3429, 0.3571

Deuteranomaly

47.7888, 0.3550, 0.3514

Tritanomaly

47.9240, 0.3386, 0.3279

Monochromacy



Original Color

48.0180, 0.3508, 0.3541

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.2080, 0.3260, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0180, 0.3508, 0.3541 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(204, 180, 160)` looks like.

```
.text, #text, p{  
    color:rgb(204, 180, 160)  
}
```

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(204, 180, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 180, 160) }
```

Border

The CSS property to change the border of an element to Yxy 48.0180, 0.3508, 0.3541 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(204, 180, 160) }
```

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

```
.border{ border-color:rgb(204, 180, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 180, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 180, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 180, 160);  
box-shadow:4px 4px 4px 4px rgb(204, 180,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0180, 0.3508, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 180, 160) }
```

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

```
.background{ background-color: rgb(204,  
180, 160) }
```

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