

Converting Colors

$Y_{xy}(48.7820, 0.3201, 0.3358)$

Have a look what the booklet for
Yxy(48.7820, 0.3201, 0.3358)
contains.

Yxy(48.8120, 0.3200, 0.3354)	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(48.8120, 0.3200, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	BDB9B4
RGB	189, 185, 180
RGB Percent	74%, 73%, 71%
CMY	0.2589, 0.2745, 0.2941
CMYK	0.00, 0.02, 0.05, 0.26
HSL	33°, 6%, 72%
HSV	33°, 5%, 74%
XYZ	46.5708, 48.8120, 50.1509
YIQ	185.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

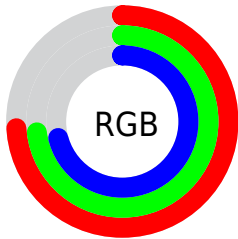
Format	Color
RYB	187, 189, 180
Decimal	12433844
CIELab	75.33, 0.50, 3.02
CIElCh	75, 3.058, 80.620
Yxy	48.8120, 0.3200, 0.3354
Android (android.graphics.Color)	4290623924 (0xFFBDB9B4)
YUV	185.6260, -2.7736, 2.9590
Hunter-Lab	69.8656, -3.2808, 6.3464

Details

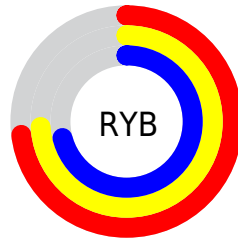
The Yxy color **48.8120, 0.3200, 0.3354** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.6515, 0.3055, 0.3225**, and the grayscale version is **48.8970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3792, 0.3184, 0.3340**, and **23.2691, 0.3227, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **44.6963, 0.3368, 0.3495**, and if you desaturate by 10%, it is **53.2430, 0.3052, 0.3222**.

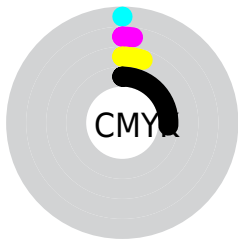
Distribution



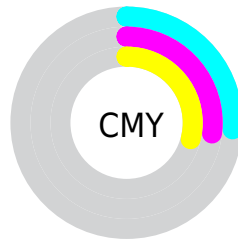
- Red (74%)
- Green (73%)
- Blue (71%)



- Red (73%)
- Yellow (74%)
- Blue (71%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (26%)



- Cyan (26%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8120, 0.3200, 0.3354 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 48.8120, 0.3200, 0.3354 by changing the saturation by 10% instead.

■ 48.8120, 0.3200,
0.3354

■ 48.8120, 0.3200,
0.3354

382.0017, 0.3164,
0.3322

■ 34.4704, 0.3209,
0.3362

■ 88.4122, 0.3187,
0.3343

■ 23.2552, 0.3220,
0.3372

114.4395, 0.3182,
0.3338

■ 14.7820, 0.3236,
0.3385

145.1308, 0.3178,
0.3335

■ 8.6666, 0.3257,
0.3404

180.8706, 0.3174,
0.3331

■ 4.5243, 0.3288,
0.3431

222.0432, 0.3171,
0.3329

■ 1.9710, 0.3340,
0.3475

269.0330, 0.3168,

■ 0.5905, 0.3593,

0.3326

0.3700

322.2244, 0.3166,
0.3324

0.0000, 0.0000,
0.0000

48.8120, 0.3200,
0.3354

48.8120, 0.3200,
0.3354

44.6963, 0.3368,
0.3495

53.2430, 0.3052,
0.3222

40.8820, 0.3557,
0.3641

57.9905, 0.2921,
0.3098

37.3629, 0.3766,
0.3790

63.0636, 0.2806,
0.2984

34.1305, 0.3995,
0.3934

68.4305, 0.2709,
0.2886

31.1759, 0.4237,
0.4066

72.8938, 0.2718,
0.2981

■ 28.4891, 0.4487,
0.4175

■ 77.5795, 0.2727,
0.3074

■ 26.0597, 0.4731,
0.4248

■ 82.4908, 0.2735,
0.3166

■ 23.8759, 0.4956,
0.4274

■ 87.6306, 0.2744,
0.3257

■ 21.9241, 0.5149,
0.4247

■ 89.5567, 0.2747,
0.3289

Harmonies

Analogous

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



48.8120, 0.3210, 0.3328



48.8120, 0.3200, 0.3354



48.8120, 0.3171, 0.3363

Triad

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



48.8120, 0.3200, 0.3354



48.8120, 0.3058, 0.3288



48.8120, 0.3124, 0.3229

Complementary

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



48.8120, 0.3200, 0.3354



47.6515, 0.3055, 0.3225

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.



48.8120, 0.3084, 0.3218



48.8120, 0.3200, 0.3354



48.8120, 0.3045, 0.3252

Square

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



48.8120, 0.3200, 0.3354



48.8120, 0.3088, 0.3325



48.8120, 0.3055, 0.3226



48.8120, 0.3166, 0.3256

Rectangle

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



48.8120, 0.3200, 0.3354



48.8120, 0.3144, 0.3359



48.8120, 0.3055, 0.3226



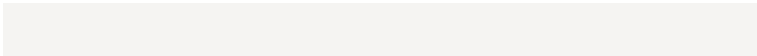
48.8120, 0.3110, 0.3223

Sweetspot

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



48.8141, 0.3200, 0.3354



90.3391, 0.3142, 0.3304



46.9253, 0.3172, 0.3239



19.4359, 0.3142, 0.3303



95.5105, 0.3127, 0.3290



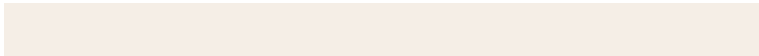
19.5994, 0.3127, 0.3290

Same Dimension

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



48.8141, 0.3200, 0.3354



86.4175, 0.3221, 0.3373



50.4431, 0.3192, 0.3404



10.6537, 0.3229, 0.3379



14.2736, 0.5225, 0.4233



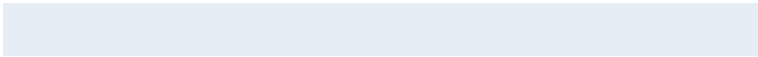
0.6876, 0.4915, 0.4480

Inverse Universe

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



47.6515, 0.3055, 0.3225



83.7682, 0.3035, 0.3206



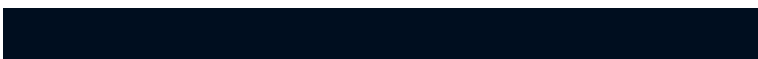
46.0776, 0.3060, 0.3173



10.3026, 0.3028, 0.3200



6.8535, 0.1726, 0.1413



0.3989, 0.1857, 0.1884

Previews

White Background



This preview shows how the Yxy color 48.8120, 0.3200, 0.3354 looks on a white background.

Color Contrast Check

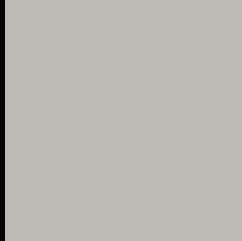
Large Text (above 18pt) WCAG AA × Fail

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 48.8120, 0.3200, 0.3354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

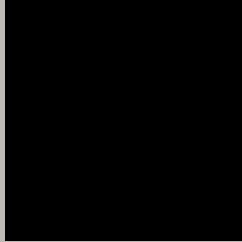
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

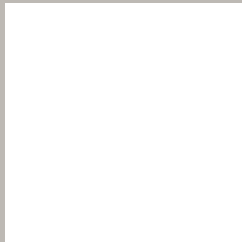
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8120, 0.3200, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 48.8120, 0.3200, 0.3354.



This preview shows how white text looks on a background with the Yxy color 48.8120, 0.3200, 0.3354.

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

48.8120, 0.3200, 0.3354

Protanopia

48.9404, 0.3209, 0.3354

Deuteranopia

48.5555, 0.3339, 0.3266



Tritanopia

48.5635, 0.3086, 0.3103

Trichromacy



Original Color

48.8120, 0.3200, 0.3354

Protanomaly

48.9404, 0.3209, 0.3354

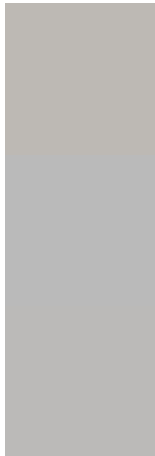
Deuteranomaly

48.5261, 0.3283, 0.3290

Tritanomaly

48.5757, 0.3123, 0.3189

Monochromacy



Original Color

48.8120, 0.3200, 0.3354

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.1433, 0.3151, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8120, 0.3200, 0.3354 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(189, 185, 180)` looks like.

```
.text, #text, p{  
    color:rgb(189, 185, 180)  
}
```

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(189, 185, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 185, 180) }
```

Border

The CSS property to change the border of an element to Yxy 48.8120, 0.3200, 0.3354 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(189, 185, 180) }
```

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

```
.border{ border-color:rgb(189, 185, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 185, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 185, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 185, 180);  
box-shadow:4px 4px 4px 4px rgb(189, 185,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8120, 0.3200, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 185, 180) }
```

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

```
.background{ background-color: rgb(189,  
185, 180) }
```

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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