

Converting Colors

$Yxy(45.4715, 0.3149, 0.3326)$

Have a look what the booklet for
Yxy(45.4715, 0.3149, 0.3326)
contains.

Yxy(45.5201, 0.3151, 0.3330)	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(45.5201, 0.3151, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	B4B4B1
RGB	180, 180, 177
RGB Percent	71%, 71%, 69%
CMY	0.2942, 0.2941, 0.3059
CMYK	0.00, 0.00, 0.02, 0.29
HSL	61°, 2%, 70%
HSV	61°, 2%, 71%
XYZ	43.0732, 45.5201, 48.1037
YIQ	179.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

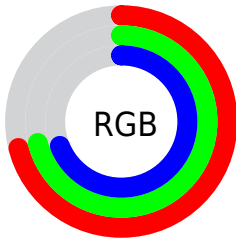
Format	Color
RYB	177, 180, 177
Decimal	11842737
CIELab	73.23, -0.57, 1.53
CIELCh	73, 1.629, 110.505
Yxy	45.5201, 0.3151, 0.3330
Android (android.graphics.Color)	4290032817 (0xFFB4B4B1)
YUV	179.6580, -1.3104, 0.2999
Hunter-Lab	67.4686, -4.1122, 4.9555

Details

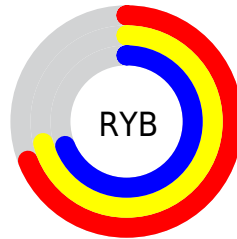
The Yxy color **45.5201, 0.3151, 0.3330** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.0857, 0.3103, 0.3250**, and the grayscale version is **45.4542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7070, 0.3146, 0.3321**, and **21.1460, 0.3160, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **44.8204, 0.3296, 0.3573**, and if you desaturate by 10%, it is **46.3184, 0.3012, 0.3097**.

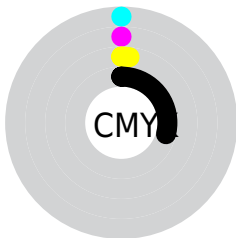
Distribution



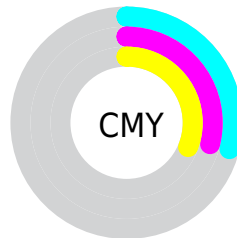
- Red (71%)
- Green (71%)
- Blue (69%)



- Red (69%)
- Yellow (71%)
- Blue (69%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)



- Cyan (29%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5201, 0.3151, 0.3330 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 45.5201, 0.3151, 0.3330 by changing the saturation by 10% instead.

■ 45.5201, 0.3151,
0.3330

■ 45.5201, 0.3151,
0.3330

368.8759, 0.3139,
0.3310

■ 31.8673, 0.3154,
0.3335

■ 83.5003, 0.3147,
0.3323

■ 21.2602, 0.3158,
0.3342

108.5965, 0.3145,
0.3320

■ 13.3143, 0.3163,
0.3350

138.2760, 0.3144,
0.3318

■ 7.6453, 0.3170,
0.3362

172.9231, 0.3142,
0.3316

■ 3.8689, 0.3181,
0.3381

212.9223, 0.3141,
0.3314

■ 1.6005, 0.3199,
0.3412

258.6578, 0.3141,

■ 0.3579, 0.3373,

0.3312

0.3700

310.5143, 0.3140,
0.3311

0.0000, 0.0000,
0.0000

45.5201, 0.3151,
0.3330

45.5201, 0.3151,
0.3330

44.8204, 0.3296,
0.3573

46.3184, 0.3012,
0.3097

44.2099, 0.3443,
0.3822

47.2130, 0.2881,
0.2878

43.6865, 0.3590,
0.4069

48.2092, 0.2760,
0.2675

43.2461, 0.3729,
0.4306

49.3100, 0.2648,
0.2488

42.8840, 0.3857,
0.4523

49.7216, 0.2614,
0.2430

■ 42.5954, 0.3966,
0.4711

■ 49.7525, 0.2616,
0.2431

■ 42.3747, 0.4054,
0.4862

■ 49.7834, 0.2618,
0.2431

■ 42.2154, 0.4116,
0.4972

■ 49.8144, 0.2620,
0.2431

■ 42.1101, 0.4152,
0.5040

■ 49.8454, 0.2621,
0.2432

Harmonies

Analogous

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



45.5201, 0.3167, 0.3325



45.5201, 0.3151, 0.3330



45.5201, 0.3129, 0.3324

Triad

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



45.5201, 0.3151, 0.3330



45.5201, 0.3083, 0.3270



45.5201, 0.3148, 0.3271

Complementary

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



45.5201, 0.3151, 0.3330



44.0857, 0.3103, 0.3250

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.



45.5201, 0.3126, 0.3256



45.5201, 0.3151, 0.3330



45.5201, 0.3088, 0.3255

Square

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



45.5201, 0.3151, 0.3330



45.5201, 0.3089, 0.3289



45.5201, 0.3103, 0.3251



45.5201, 0.3165, 0.3291

Rectangle

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



45.5201, 0.3151, 0.3330



45.5201, 0.3113, 0.3315



45.5201, 0.3103, 0.3251



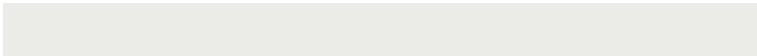
45.5201, 0.3141, 0.3266

Sweetspot

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



45.5221, 0.3151, 0.3330



82.6170, 0.3142, 0.3314



44.3181, 0.3154, 0.3290



17.8581, 0.3141, 0.3313



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



45.5221, 0.3151, 0.3330



82.4788, 0.3156, 0.3338



45.3465, 0.3138, 0.3330



10.0172, 0.3154, 0.3334



29.3462, 0.4169, 0.5072



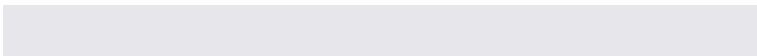
0.9253, 0.4176, 0.5066

Inverse Universe

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



44.0857, 0.3103, 0.3250



79.3362, 0.3098, 0.3241



44.2594, 0.3116, 0.3250



9.6673, 0.3101, 0.3245



2.3139, 0.1506, 0.0603



0.0747, 0.1529, 0.0616

Previews

White Background



This preview shows how the Yxy color 45.5201, 0.3151, 0.3330 looks on a white background.

Color Contrast Check

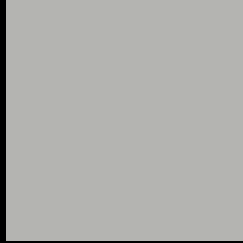
Large Text (above 18pt) WCAG AA × Fail

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 45.5201, 0.3151, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

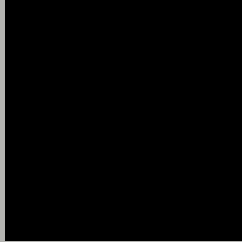
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

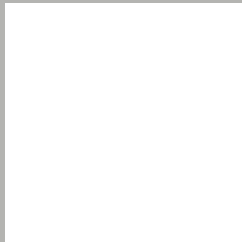
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.5201, 0.3151, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 45.5201, 0.3151, 0.3330.



This preview shows how white text looks on a background with the Yxy color 45.5201, 0.3151, 0.3330.

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

45.5201, 0.3151, 0.3330

Protanopia

45.5651, 0.3195, 0.3329

Deuteranopia

45.4922, 0.3309, 0.3240



Tritanopia

45.5916, 0.3050, 0.3109

Trichromacy



Original Color

45.5201, 0.3151, 0.3330

Protanomaly

45.4421, 0.3186, 0.3330

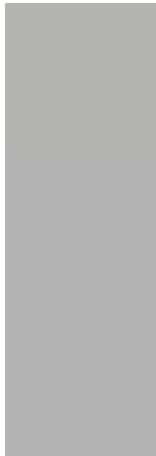
Deuteranomaly

45.3414, 0.3243, 0.3265

Tritanomaly

45.6518, 0.3081, 0.3186

Monochromacy



Original Color

45.5201, 0.3151, 0.3330

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6005, 0.3135, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5201, 0.3151, 0.3330 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(180, 180, 177)` looks like.

```
.text, #text, p{  
    color:rgb(180, 180, 177)  
}
```

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(180, 180, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 180, 177) }
```

Border

The CSS property to change the border of an element to Yxy 45.5201, 0.3151, 0.3330 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(180, 180, 177) }
```

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

```
.border{ border-color:rgb(180, 180, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 180, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 180, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 180, 177);  
box-shadow:4px 4px 4px 4px rgb(180, 180,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5201, 0.3151, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 180, 177) }
```

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

```
.background{ background-color: rgb(180,  
180, 177) }
```

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