

Converting Colors

$Yxy(45.2177, 0.3131, 0.3384)$

Have a look what the booklet for
Yxy(45.2177, 0.3131, 0.3384)
contains.

Yxy(45.2177, 0.3131, 0.3384)	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(45.2177, 0.3131, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	AFB5AE
RGB	175, 181, 174
RGB Percent	69%, 71%, 68%
CMY	0.3139, 0.2901, 0.3176
CMYK	0.03, 0.00, 0.04, 0.29
HSL	112°, 5%, 70%
HSV	112°, 4%, 71%
XYZ	41.8371, 45.2177, 46.5673
YIQ	178.4080, -1.3290, -3.4490

Conversions

Conversions Part 2

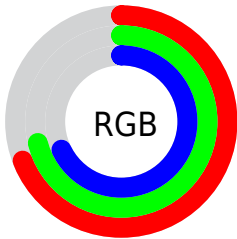
Format	Color
RYB	174, 181, 180
Decimal	11515310
CIELab	73.04, -3.43, 2.82
CIELCh	73, 4.440, 140.512
Yxy	45.2177, 0.3131, 0.3384
Android (android.graphics.Color)	4289705390 (0xFFAFB5AE)
YUV	178.4080, -2.1731, -2.9888
Hunter-Lab	67.2441, -6.6204, 6.0119

Details

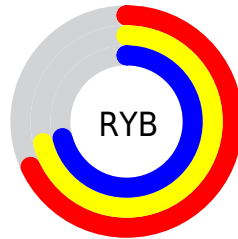
The Yxy color $45.2177, 0.3131, 0.3384$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $43.3188, 0.3123, 0.3197$, and the grayscale version is $44.7588, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.2144, 0.3137, 0.3373$, and $21.0544, 0.3134, 0.3401$ is the 20% darker color. If you saturate the color by 10%, you get $42.8575, 0.3140, 0.3648$, and if you desaturate by 10%, it is $47.8859, 0.3121, 0.3151$.

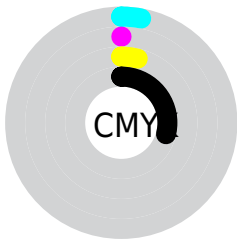
Distribution



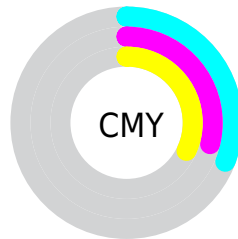
- Red (69%)
- Green (71%)
- Blue (68%)



- Red (68%)
- Yellow (71%)
- Blue (71%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)



- Cyan (31%)
- Magenta (29%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2177, 0.3131, 0.3384 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 45.2177, 0.3131, 0.3384 by changing the saturation by 10% instead.

■ 45.2177, 0.3131,
0.3384

■ 45.2177, 0.3131,
0.3384

367.6545, 0.3129,
0.3337

■ 31.6289, 0.3131,
0.3396

■ 83.0470, 0.3130,
0.3367

■ 21.0782, 0.3132,
0.3412

108.0563, 0.3130,
0.3360

■ 13.1812, 0.3132,
0.3433

137.6413, 0.3130,
0.3355

■ 7.5534, 0.3133,
0.3462

172.1863, 0.3130,
0.3350

■ 3.8106, 0.3134,
0.3508

212.0757, 0.3130,
0.3346

■ 1.5682, 0.3135,
0.3585

257.6940, 0.3129,

■ 0.3360, 0.3185,

0.3342

0.4540

309.4254, 0.3129,
0.3339

0.0000, 0.0000,
0.0000

45.2177, 0.3131,
0.3384

45.2177, 0.3131,
0.3384

42.8575, 0.3140,
0.3648

47.8859, 0.3121,
0.3151

40.7885, 0.3146,
0.3942

50.8665, 0.3110,
0.2946

39.0011, 0.3150,
0.4262

54.1712, 0.3099,
0.2768

37.4832, 0.3148,
0.4600

57.8096, 0.3088,
0.2614

36.2215, 0.3141,
0.4941

61.1629, 0.3146,
0.2562

■ 35.2017, 0.3127,
0.5265

■ 61.5337, 0.3161,
0.2566

■ 34.4080, 0.3107,
0.5548

■ 33.8228, 0.3081,
0.5768

■ 33.4256, 0.3053,
0.5911

Harmonies

Analogous

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



45.2177, 0.3192, 0.3399



45.2177, 0.3131, 0.3384



45.2177, 0.3070, 0.3343

Triad

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



45.2177, 0.3131, 0.3384



45.2177, 0.3020, 0.3195



45.2177, 0.3232, 0.3292

Complementary

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



45.2177, 0.3131, 0.3384



43.3188, 0.3123, 0.3197

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.



45.2177, 0.3185, 0.3238



45.2177, 0.3131, 0.3384



45.2177, 0.3062, 0.3183

Square

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



45.2177, 0.3131, 0.3384



45.2177, 0.3006, 0.3233



45.2177, 0.3123, 0.3199



45.2177, 0.3250, 0.3345

Rectangle

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



45.2177, 0.3131, 0.3384



45.2177, 0.3036, 0.3306



45.2177, 0.3123, 0.3199



45.2177, 0.3219, 0.3273

Sweetspot

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



45.2196, 0.3131, 0.3384



82.2809, 0.3128, 0.3314



45.5090, 0.3184, 0.3369



17.7893, 0.3128, 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.



45.2196, 0.3131, 0.3384



80.4330, 0.3132, 0.3414



45.2052, 0.3103, 0.3351



9.7389, 0.3133, 0.3427



22.9422, 0.3043, 0.5966



0.7394, 0.3184, 0.5854

Inverse Universe

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



43.3188, 0.3123, 0.3197



76.0026, 0.3122, 0.3168



43.3351, 0.3152, 0.3230



9.1497, 0.3121, 0.3156



7.2034, 0.2869, 0.1354



0.2429, 0.2970, 0.1410

Previews

White Background



This preview shows how the Yxy color 45.2177, 0.3131, 0.3384 looks on a white background.

Color Contrast Check

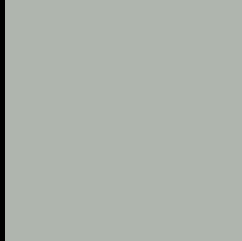
Large Text (above 18pt) WCAG AA × Fail

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 45.2177, 0.3131, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

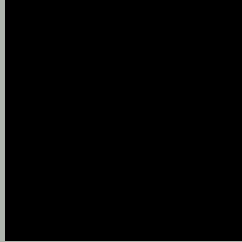
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

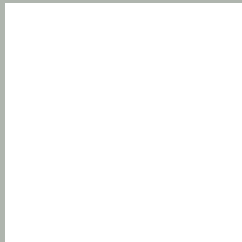
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2177, 0.3131, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 45.2177, 0.3131, 0.3384.



This preview shows how white text looks on a background with the Yxy color 45.2177, 0.3131, 0.3384.

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

45.2177, 0.3131, 0.3384

Protanopia

45.0483, 0.3221, 0.3356

Deuteranopia

45.0275, 0.3328, 0.3253



Tritanopia

45.1115, 0.3017, 0.3107

Trichromacy



Original Color

45.2177, 0.3131, 0.3384

Protanomaly

45.0811, 0.3193, 0.3370

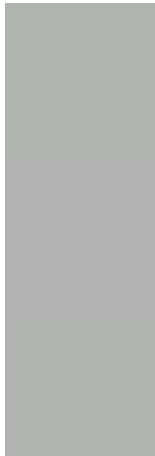
Deuteranomaly

45.0930, 0.3260, 0.3303

Tritanomaly

45.0901, 0.3063, 0.3211

Monochromacy



Original Color

45.2177, 0.3131, 0.3384

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.7616, 0.3126, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2177, 0.3131, 0.3384 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(175, 181, 174)` looks like.

```
.text, #text, p{  
    color:rgb(175, 181, 174)  
}
```

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(175, 181, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 181, 174) }
```

Border

The CSS property to change the border of an element to Yxy 45.2177, 0.3131, 0.3384 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(175, 181, 174) }
```

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

```
.border{ border-color:rgb(175, 181, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 181, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 181, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 181, 174);  
box-shadow:4px 4px 4px 4px rgb(175, 181,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2177, 0.3131, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 181, 174) }
```

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

```
.background{ background-color: rgb(175,  
181, 174) }
```

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