

Converting Colors

$Y_{xy}(45.2685, 0.3051, 0.3387)$

Have a look what the booklet for
Yxy(45.2685, 0.3051, 0.3387)
contains.

Yxy(45.2171, 0.3047, 0.3385)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.2171, 0.3047, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	A7B7B0
RGB	167, 183, 176
RGB Percent	65%, 72%, 69%
CMY	0.3452, 0.2823, 0.3098
CMYK	0.09, 0.00, 0.04, 0.28
HSL	154°, 10%, 69%
HSV	154°, 9%, 72%
XYZ	40.7021, 45.2171, 47.6616
YIQ	177.4180, -7.2890, -5.5690

Conversions

Conversions Part 2

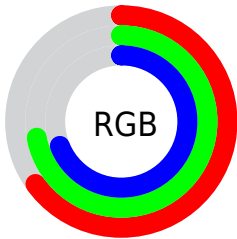
Format	Color
RYB	167, 177, 183
Decimal	10991536
CIELab	73.03, -6.90, 1.65
CIELCh	73, 7.091, 166.531
Yxy	45.2171, 0.3047, 0.3385
Android (android.graphics.Color)	4289181616 (0xFFA7B7B0)
YUV	177.4180, -0.6991, -9.1366
Hunter-Lab	67.2437, -9.6317, 5.0464

Details

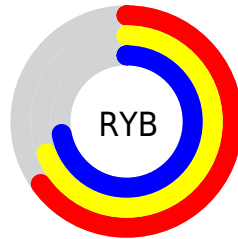
The Yxy color $45.2171, 0.3047, 0.3385$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $40.7498, 0.3215, 0.3197$, and the grayscale version is $44.2030, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.0888, 0.3058, 0.3363$, and $21.0653, 0.3019, 0.3403$ is the 20% darker color. If you saturate the color by 10%, you get $43.0583, 0.2958, 0.3505$, and if you desaturate by 10%, it is $47.6804, 0.3139, 0.3277$.

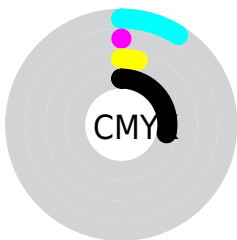
Distribution



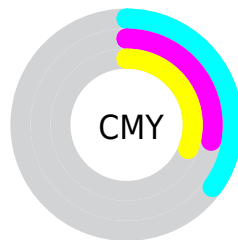
- Red (65%)
- Green (72%)
- Blue (69%)



- Red (65%)
- Yellow (69%)
- Blue (72%)



- Cyan (9%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)



- Cyan (35%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2171, 0.3047, 0.3385 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 45.2171, 0.3047, 0.3385 by changing the saturation by 10% instead.

■ 45.2171, 0.3047,
0.3385

■ 45.2171, 0.3047,
0.3385

367.6521, 0.3087,
0.3337

■ 31.6285, 0.3037,
0.3397

■ 83.0461, 0.3062,
0.3367

■ 21.0779, 0.3024,
0.3413

■ 108.0552, 0.3067,
0.3361

■ 13.1809, 0.3006,
0.3434

137.6400, 0.3072,
0.3355

■ 7.5533, 0.2981,
0.3464

172.1848, 0.3076,
0.3351

■ 3.8104, 0.2943,
0.3510

212.0740, 0.3079,
0.3347

■ 1.5681, 0.2878,
0.3589

257.6921, 0.3082,

■ 0.3360, 0.2048,

0.3343

0.4557

309.4233, 0.3085,
0.3340

0.0000, 0.0000,
0.0000

45.2171, 0.3047,
0.3385

45.2171, 0.3047,
0.3385

43.0583, 0.2958,
0.3505

47.6804, 0.3139,
0.3277

41.1861, 0.2874,
0.3637

50.4539, 0.3231,
0.3181

39.5895, 0.2798,
0.3781

53.5502, 0.3322,
0.3097

38.2546, 0.2733,
0.3935

56.9797, 0.3411,
0.3022

37.1662, 0.2682,
0.4098

60.0869, 0.3468,
0.2953

■ 36.3073, 0.2648,
0.4266

■ 60.5100, 0.3402,
0.2874

■ 35.6590, 0.2633,
0.4436

■ 60.9535, 0.3338,
0.2797

■ 35.1989, 0.2638,
0.4604

■ 61.4176, 0.3275,
0.2722

■ 34.8885, 0.2660,
0.4766

■ 61.9026, 0.3213,
0.2649

Harmonies

Analogous

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



45.2171, 0.3146, 0.3447



45.2171, 0.3047, 0.3385



45.2171, 0.2970, 0.3297

Triad

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



45.2171, 0.3047, 0.3385



45.2171, 0.3012, 0.3120



45.2171, 0.3324, 0.3367

Complementary

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



45.2171, 0.3047, 0.3385



40.7498, 0.3215, 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.



45.2171, 0.3287, 0.3280



45.2171, 0.3047, 0.3385



45.2171, 0.3106, 0.3140

Square

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



45.2171, 0.3047, 0.3385



45.2171, 0.2950, 0.3144



45.2171, 0.3206, 0.3198



45.2171, 0.3307, 0.3435

Rectangle

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



45.2171, 0.3047, 0.3385



45.2171, 0.2941, 0.3236



45.2171, 0.3206, 0.3198



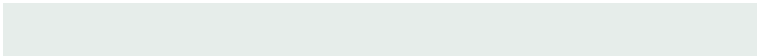
45.2171, 0.3317, 0.3339

Sweetspot

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



45.2190, 0.3047, 0.3385



83.4272, 0.3099, 0.3322



45.6811, 0.3179, 0.3507



18.3478, 0.3092, 0.3331



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



45.2190, 0.3047, 0.3385



79.9916, 0.3025, 0.3413



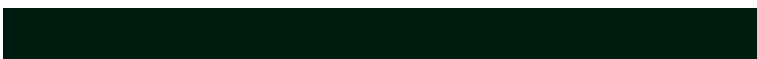
45.1734, 0.2994, 0.3279



10.1426, 0.3042, 0.3392



24.3252, 0.2658, 0.4767



0.8697, 0.2540, 0.4344

Inverse Universe

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



40.7498, 0.3215, 0.3197



69.9484, 0.3242, 0.3170



40.7786, 0.3276, 0.3301



9.0756, 0.3221, 0.3191



7.4391, 0.5197, 0.2636



0.2747, 0.4558, 0.2284

Previews

White Background



This preview shows how the Yxy color 45.2171, 0.3047, 0.3385 looks on a white background.

Color Contrast Check

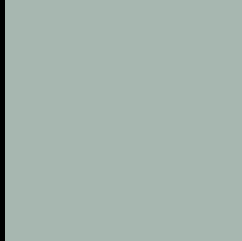
Large Text (above 18pt) WCAG AA × Fail

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 45.2171, 0.3047, 0.3385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

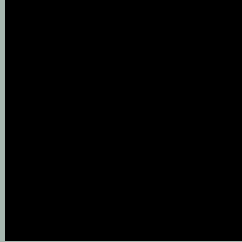
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

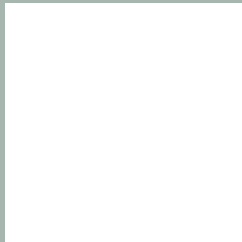
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2171, 0.3047, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 45.2171, 0.3047, 0.3385.



This preview shows how white text looks on a background with the Yxy color 45.2171, 0.3047, 0.3385.

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

45.2171, 0.3047, 0.3385

Protanopia

45.0483, 0.3221, 0.3356

Deuteranopia

44.9718, 0.3301, 0.3227



Tritanopia

45.1287, 0.2929, 0.3092

Trichromacy



Original Color

45.2171, 0.3047, 0.3385

Protanomaly

45.1635, 0.3158, 0.3370

Deuteranomaly

45.0577, 0.3206, 0.3290

Tritanomaly

45.1136, 0.2973, 0.3196

Monochromacy



Original Color

45.2171, 0.3047, 0.3385

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.2988, 0.3092, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2171, 0.3047, 0.3385 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(167, 183, 176)` looks like.

```
.text, #text, p{  
    color:rgb(167, 183, 176)  
}
```

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(167, 183, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 183, 176) }
```

Border

The CSS property to change the border of an element to Yxy 45.2171, 0.3047, 0.3385 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(167, 183, 176) }
```

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

```
.border{ border-color:rgb(167, 183, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 183, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 183, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 183, 176);  
box-shadow:4px 4px 4px 4px rgb(167, 183,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2171, 0.3047, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 183, 176) }
```

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

```
.background{ background-color: rgb(167,  
183, 176) }
```

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