

Converting Colors

$Y_{xy}(45.3959, 0.3018, 0.3364)$

Have a look what the booklet for
Yxy(45.3959, 0.3018, 0.3364)
contains.

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Color

Yxy(45.4947, 0.3016, 0.3371)

Conversions

Conversions Part 1

Format	Color
Hex	A5B8B2
RGB	165, 184, 178
RGB Percent	65%, 72%, 70%
CMY	0.3527, 0.2785, 0.3019
CMYK	0.10, 0.00, 0.03, 0.28
HSL	161°, 12%, 68%
HSV	161°, 10%, 72%
XYZ	40.7037, 45.4947, 48.7607
YIQ	177.6350, -9.3980, -5.8940

Conversions

Conversions Part 2

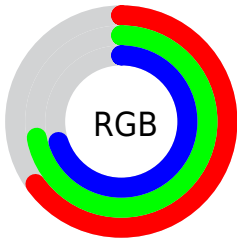
Format	Color
RYB	165, 176, 184
Decimal	10860722
CIELab	73.22, -7.67, 0.81
CIElCh	73, 7.717, 174.000
Yxy	45.4947, 0.3016, 0.3371
Android (android.graphics.Color)	4289050802 (0xFFA5B8B2)
YUV	177.6350, 0.1799, -11.0809
Hunter-Lab	67.4498, -10.3184, 4.3530

Details

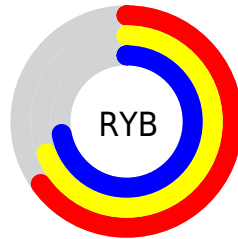
The Yxy color **45.4947, 0.3016, 0.3371** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.0634, 0.3252, 0.3210**, and the grayscale version is **44.3271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4763, 0.3033, 0.3353**, and **21.2240, 0.2987, 0.3403** is the 20% darker color. If you saturate the color by 10%, you get **43.4341, 0.2912, 0.3458**, and if you desaturate by 10%, it is **47.8529, 0.3124, 0.3292**.

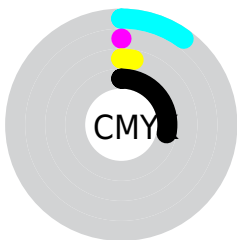
Distribution



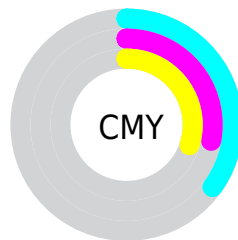
- Red (65%)
- Green (72%)
- Blue (70%)



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



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (28%)



- Cyan (35%)
- Magenta (28%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4947, 0.3016, 0.3371 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 45.4947, 0.3016, 0.3371 by changing the saturation by 10% instead.


 45.4947, 0.3016,
0.3371


 45.4947, 0.3016,
0.3371


368.7734, 0.3072,
0.3330

 31.8473, 0.3002,
0.3381


 83.4623, 0.3036,
0.3356

 21.2449, 0.2984,
0.3395


 108.5512, 0.3044,
0.3351

 13.3031, 0.2959,
0.3412

138.2227, 0.3050,
0.3346

 7.6376, 0.2925,
0.3438

172.8613, 0.3056,
0.3342

 3.8639, 0.2874,
0.3476

212.8512, 0.3061,
0.3338

 1.5977, 0.2787,
0.3541

258.5770, 0.3065,

 0.3561, 0.1802,

0.3335

0.4247

310.4229, 0.3069,
0.3333

0.0000, 0.0000,
0.0000

45.4947, 0.3016,
0.3371

45.4947, 0.3016,
0.3371

43.4341, 0.2912,
0.3458

47.8529, 0.3124,
0.3292

41.6531, 0.2815,
0.3553

50.5144, 0.3234,
0.3221

40.1407, 0.2728,
0.3656

53.4920, 0.3344,
0.3159

38.8826, 0.2653,
0.3766

56.7958, 0.3452,
0.3103

37.8636, 0.2594,
0.3881

60.0438, 0.3541,
0.3053

■ 37.0665, 0.2553,
0.3999

■ 60.3334, 0.3492,
0.2994

■ 36.4717, 0.2532,
0.4119

■ 60.6335, 0.3444,
0.2936

■ 36.0563, 0.2530,
0.4239

■ 60.9443, 0.3396,
0.2879

■ 35.7792, 0.2543,
0.4354

■ 61.2660, 0.3350,
0.2823

Harmonies

Analogous

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



45.4947, 0.3120, 0.3448



45.4947, 0.3016, 0.3371



45.4947, 0.2942, 0.3272

Triad

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



45.4947, 0.3016, 0.3371



45.4947, 0.3025, 0.3106



45.4947, 0.3342, 0.3394

Complementary

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



45.4947, 0.3016, 0.3371



40.0634, 0.3252, 0.3210

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.



45.4947, 0.3316, 0.3303



45.4947, 0.3016, 0.3371



45.4947, 0.3131, 0.3139

Square

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



45.4947, 0.3016, 0.3371



45.4947, 0.2947, 0.3121



45.4947, 0.3238, 0.3211



45.4947, 0.3309, 0.3460

Rectangle

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



45.4947, 0.3016, 0.3371



45.4947, 0.2920, 0.3209



45.4947, 0.3238, 0.3211



45.4947, 0.3340, 0.3366

Sweetspot

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



45.4966, 0.3016, 0.3371



85.5243, 0.3094, 0.3313



45.6588, 0.3166, 0.3548



18.3615, 0.3085, 0.3319



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.



45.4966, 0.3016, 0.3371



81.7310, 0.2996, 0.3387



44.3182, 0.2971, 0.3242



10.1611, 0.3026, 0.3363



24.6757, 0.2539, 0.4339



0.8806, 0.2454, 0.4034

Inverse Universe

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



40.0634, 0.3252, 0.3210



70.1979, 0.3279, 0.3195



41.1098, 0.3301, 0.3337



9.0577, 0.3240, 0.3218



7.2459, 0.5673, 0.2899



0.2670, 0.4924, 0.2486

Previews

White Background



This preview shows how the Yxy color 45.4947, 0.3016, 0.3371 looks on a white background.

Color Contrast Check

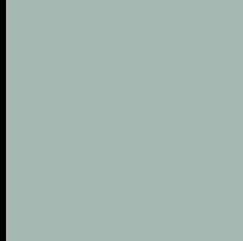
Large Text (above 18pt) WCAG AA × Fail

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 45.4947, 0.3016, 0.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

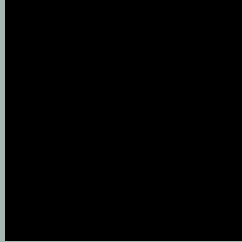
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

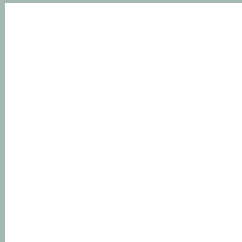
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4947, 0.3016, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 45.4947, 0.3016, 0.3371.



This preview shows how white text looks on a background with the Yxy color 45.4947, 0.3016, 0.3371.

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

45.4947, 0.3016, 0.3371

Protanopia

45.5257, 0.3203, 0.3343

Deuteranopia

45.3032, 0.3274, 0.3214



Tritanopia

45.3581, 0.2906, 0.3091

Trichromacy



Original Color

45.4947, 0.3016, 0.3371

Protanomaly

45.5294, 0.3133, 0.3357

Deuteranomaly

45.4098, 0.3180, 0.3277

Tritanomaly

45.3455, 0.2950, 0.3196

Monochromacy



Original Color

45.4947, 0.3016, 0.3371

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.7411, 0.3083, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4947, 0.3016, 0.3371 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(165, 184, 178)` looks like.

```
.text, #text, p{  
    color:rgb(165, 184, 178)  
}
```

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(165, 184, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 184, 178) }
```

Border

The CSS property to change the border of an element to Yxy 45.4947, 0.3016, 0.3371 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(165, 184, 178) }
```

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

```
.border{ border-color:rgb(165, 184, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 184, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 184, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 184, 178);  
box-shadow:4px 4px 4px 4px rgb(165, 184,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4947, 0.3016, 0.3371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 184, 178) }
```

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

```
.background{ background-color: rgb(165,  
184, 178) }
```

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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