

Converting Colors

$Yxy(45.5943, 0.3117, 0.3511)$

Have a look what the booklet for
Yxy(45.5943, 0.3117, 0.3511)
contains.

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Color

Yxy(45.4330, 0.3117, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	A8B8A8
RGB	168, 184, 168
RGB Percent	66%, 72%, 66%
CMY	0.3411, 0.2784, 0.3412
CMYK	0.09, 0.00, 0.09, 0.28
HSL	120°, 10%, 69%
HSV	120°, 9%, 72%
XYZ	40.3576, 45.4330, 43.6851
YIQ	177.3920, -4.4000, -8.3680

Conversions

Conversions Part 2

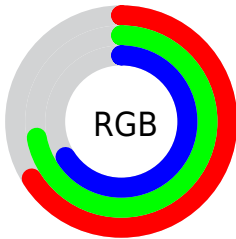
Format	Color
R _Y B	168, 184, 184
Decimal	11057320
CIE Lab	73.18, -8.57, 6.24
CIE LCh	73, 10.604, 143.939
Yxy	45.4330, 0.3117, 0.3509
Android (android.graphics.Color)	4289247400 (0xFFA8B8A8)
YUV	177.3920, -4.6303, -8.2368
Hunter-Lab	67.4040, -11.0817, 8.7565

Details

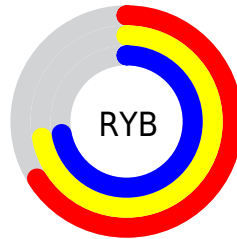
The Yxy color **45.4330, 0.3117, 0.3509** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.6533, 0.3137, 0.3080**, and the grayscale version is **44.2112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3359, 0.3119, 0.3469**, and **21.2066, 0.3114, 0.3575** is the 20% darker color. If you saturate the color by 10%, you get **42.9196, 0.3104, 0.3793**, and if you desaturate by 10%, it is **48.3326, 0.3129, 0.3259**.

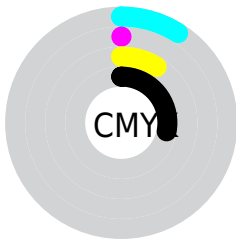
Distribution



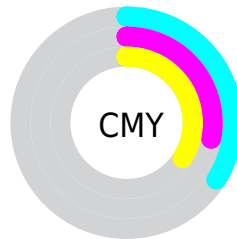
- Red (66%)
- Green (72%)
- Blue (66%)



- Red (66%)
- Yellow (72%)
- Blue (72%)



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




- Cyan (34%)
- Magenta (28%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4330, 0.3117, 0.3509 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 45.4330, 0.3117, 0.3509 by changing the saturation by 10% instead.

 45.4330, 0.3117,
0.3509

 45.4330, 0.3117,
0.3509


368.5244, 0.3123,
0.3398

 31.7986, 0.3115,
0.3538


 83.3698, 0.3119,
0.3468

 21.2077, 0.3113,
0.3575


 108.4410, 0.3120,
0.3453

 13.2759, 0.3109,
0.3625


138.0933, 0.3121,
0.3440

 7.6188, 0.3104,
0.3696

172.7110, 0.3121,
0.3429

 3.8520, 0.3095,
0.3807

212.6786, 0.3122,
0.3419

 1.5911, 0.3075,
0.3999

258.3804, 0.3122,

 0.3516, 0.2622,

0.3411

0.7378

310.2009, 0.3123,
0.3404

0.0000, 0.0000,
0.0000

45.4330, 0.3117,
0.3509

45.4330, 0.3117,
0.3509

42.9196, 0.3104,
0.3793

48.3326, 0.3129,
0.3259

40.7706, 0.3089,
0.4109

51.6277, 0.3139,
0.3043

38.9709, 0.3073,
0.4452

55.3343, 0.3147,
0.2856

37.5020, 0.3056,
0.4807

59.4660, 0.3155,
0.2696

36.3439, 0.3040,
0.5155

62.7622, 0.3160,
0.2595

■ 35.4741, 0.3025,
0.5469

■ 34.8675, 0.3013,
0.5723

■ 34.4942, 0.3005,
0.5896

■ 34.3039, 0.3001,
0.5989

Harmonies

Analogous

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



45.4330, 0.3265, 0.3553



45.4330, 0.3117, 0.3509



45.4330, 0.2974, 0.3402

Triad

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



45.4330, 0.3117, 0.3509



45.4330, 0.2881, 0.3057



45.4330, 0.3387, 0.3307

Complementary

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



45.4330, 0.3117, 0.3509



41.6533, 0.3137, 0.3080

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.



45.4330, 0.3279, 0.3181



45.4330, 0.3117, 0.3509



45.4330, 0.2986, 0.3039

Square

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



45.4330, 0.3117, 0.3509



45.4330, 0.2840, 0.3139



45.4330, 0.3132, 0.3084



45.4330, 0.3423, 0.3431

Rectangle

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



45.4330, 0.3117, 0.3509



45.4330, 0.2901, 0.3311



45.4330, 0.3132, 0.3084



45.4330, 0.3358, 0.3263

Sweetspot

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



45.4349, 0.3117, 0.3509



85.2410, 0.3124, 0.3364



47.1891, 0.3255, 0.3497



18.2849, 0.3123, 0.3384



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.



45.4349, 0.3117, 0.3509



81.6485, 0.3115, 0.3549



45.7305, 0.3057, 0.3402



10.0605, 0.3116, 0.3526



23.6270, 0.3000, 0.6000



0.8330, 0.3001, 0.5999

Inverse Universe

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



41.6533, 0.3137, 0.3080



73.7162, 0.3139, 0.3044



41.3393, 0.3203, 0.3181



9.1624, 0.3138, 0.3065



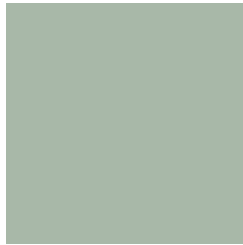
9.3951, 0.3207, 0.1540



0.3313, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 45.4330, 0.3117, 0.3509 looks on a white background.

Color Contrast Check

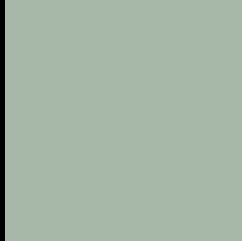
Large Text (above 18pt) WCAG AA × Fail

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 45.4330, 0.3117, 0.3509 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

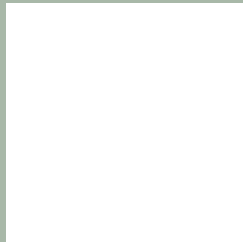
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4330, 0.3117, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 45.4330, 0.3117, 0.3509.



This preview shows how white text looks on a background with the Yxy color 45.4330, 0.3117, 0.3509.

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

45.4330, 0.3117, 0.3509

Protanopia

45.3959, 0.3304, 0.3475

Deuteranopia

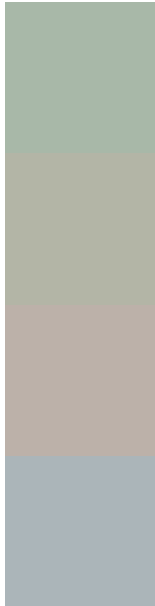
45.0688, 0.3399, 0.3329



Tritanopia

45.3082, 0.2952, 0.3106

Trichromacy



Original Color

45.4330, 0.3117, 0.3509

Protanomaly

45.3846, 0.3230, 0.3491

Deuteranomaly

45.0002, 0.3291, 0.3395

Tritanomaly

45.2085, 0.3012, 0.3236

Monochromacy



Original Color

45.4330, 0.3117, 0.3509

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6972, 0.3123, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4330, 0.3117, 0.3509 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(168, 184, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 184, 168)  
}
```

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(168, 184, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 184, 168) }
```

Border

The CSS property to change the border of an element to Yxy 45.4330, 0.3117, 0.3509 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(168, 184, 168) }
```

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

```
.border{ border-color:rgb(168, 184, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 184, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 184, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 184, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 184,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4330, 0.3117, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 184, 168) }
```

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

```
.background{ background-color: rgb(168,  
184, 168) }
```

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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