

Converting Colors

$Yxy(45.1667, 0.3102, 0.3516)$

Have a look what the booklet for
Yxy(45.1667, 0.3102, 0.3516)
contains.

Yxy(45.2151, 0.3100, 0.3510)	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(45.2151, 0.3100, 0.3510)

Conversions

Conversions Part 1

Format	Color
Hex	A6B8A8
RGB	166, 184, 168
RGB Percent	65%, 72%, 66%
CMY	0.3490, 0.2784, 0.3412
CMYK	0.10, 0.00, 0.09, 0.28
HSL	127°, 11%, 69%
HSV	127°, 10%, 72%
XYZ	39.9336, 45.2151, 43.6693
YIQ	176.7940, -5.5920, -8.7920

Conversions

Conversions Part 2

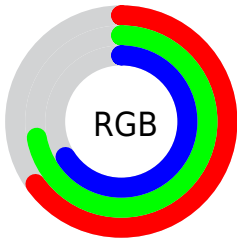
Format	Color
R _Y B	166, 182, 184
Decimal	10926248
CIE Lab	73.03, -9.28, 6.01
CIE LCh	73, 11.056, 147.049
Yxy	45.2151, 0.3100, 0.3510
Android (android.graphics.Color)	4289116328 (0xFFA6B8A8)
YUV	176.7940, -4.3354, -9.4663
Hunter-Lab	67.2422, -11.6668, 8.5646

Details

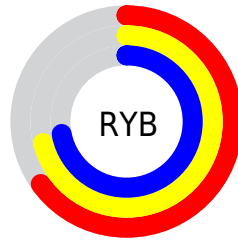
The Yxy color **45.2151, 0.3100, 0.3510** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.8393, 0.3155, 0.3079**, and the grayscale version is **43.8787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0200, 0.3106, 0.3470**, and **21.0710, 0.3091, 0.3577** is the 20% darker color. If you saturate the color by 10%, you get **42.7971, 0.3071, 0.3764**, and if you desaturate by 10%, it is **47.9981, 0.3128, 0.3286**.

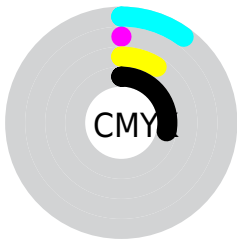
Distribution



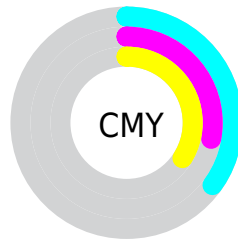
- Red (65%)
- Green (72%)
- Blue (66%)



- Red (65%)
- Yellow (71%)
- Blue (72%)



- Cyan (10%)
- Magenta (0%)
- Yellow (9%)
- Black (28%)





- Cyan (35%)
- Magenta (28%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2151, 0.3100, 0.3510 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 45.2151, 0.3100, 0.3510 by changing the saturation by 10% instead.

 45.2151, 0.3100,
0.3510


 45.2151, 0.3100,
0.3510


367.6440, 0.3114,
0.3398

 31.6269, 0.3096,
0.3539

 83.0431, 0.3105,
0.3469

 21.0767, 0.3091,
0.3576


 108.0517, 0.3107,
0.3453

 13.1801, 0.3084,
0.3627

137.6358, 0.3109,
0.3440

 7.5527, 0.3073,
0.3699

172.1799, 0.3111,
0.3429

 3.8101, 0.3055,
0.3811

212.0684, 0.3112,
0.3420

 1.5679, 0.3022,
0.4006

257.6857, 0.3113,

 0.3358, 0.2163,

0.3412

0.7837

309.4161, 0.3114,
0.3404

0.0000, 0.0000,
0.0000

45.2151, 0.3100,
0.3510

45.2151, 0.3100,
0.3510

42.7971, 0.3071,
0.3764

47.9981, 0.3128,
0.3286

40.7234, 0.3043,
0.4047

51.1543, 0.3154,
0.3090

38.9802, 0.3016,
0.4354

54.6989, 0.3179,
0.2920

37.5502, 0.2992,
0.4677

58.6444, 0.3201,
0.2773

36.4148, 0.2974,
0.5001

62.4298, 0.3199,
0.2642

■ 35.5533, 0.2963,
0.5306

■ 62.7632, 0.3160,
0.2595

■ 34.9423, 0.2961,
0.5572

■ 34.5544, 0.2967,
0.5778

■ 34.3393, 0.2977,
0.5917

Harmonies

Analogous

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



45.2151, 0.3256, 0.3564



45.2151, 0.3100, 0.3510



45.2151, 0.2954, 0.3393

Triad

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



45.2151, 0.3100, 0.3510



45.2151, 0.2878, 0.3042



45.2151, 0.3406, 0.3321

Complementary

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



45.2151, 0.3100, 0.3510



40.8393, 0.3155, 0.3079

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.



45.2151, 0.3300, 0.3189



45.2151, 0.3100, 0.3510



45.2151, 0.2995, 0.3030

Square

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



45.2151, 0.3100, 0.3510



45.2151, 0.2828, 0.3120



45.2151, 0.3149, 0.3084



45.2151, 0.3435, 0.3450

Rectangle

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



45.2151, 0.3100, 0.3510



45.2151, 0.2882, 0.3297



45.2151, 0.3149, 0.3084



45.2151, 0.3378, 0.3276

Sweetspot

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



45.2170, 0.3100, 0.3510



85.2857, 0.3119, 0.3356



47.0062, 0.3255, 0.3528



18.2970, 0.3117, 0.3373



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.



45.2170, 0.3100, 0.3510



80.8454, 0.3093, 0.3569



45.5562, 0.3033, 0.3388



10.0760, 0.3101, 0.3499



23.6677, 0.2974, 0.5907



0.8397, 0.2886, 0.5590

Inverse Universe

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



40.8393, 0.3155, 0.3079



71.1144, 0.3163, 0.3026



40.4868, 0.3232, 0.3194



9.1450, 0.3154, 0.3089



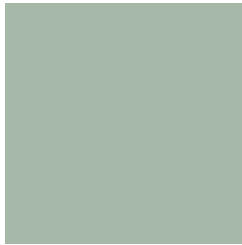
8.8643, 0.3507, 0.1706



0.3174, 0.3421, 0.1658

Previews

White Background



This preview shows how the Yxy color 45.2151, 0.3100, 0.3510 looks on a white background.

Color Contrast Check

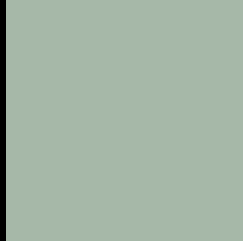
Large Text (above 18pt) WCAG AA × Fail

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 45.2151, 0.3100, 0.3510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

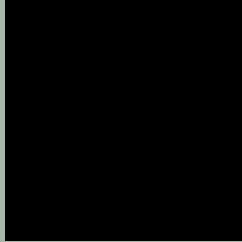
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

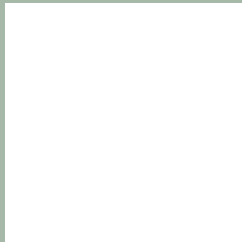
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2151, 0.3100, 0.3510

Background



This preview shows how black text looks on a background with the Yxy color 45.2151, 0.3100, 0.3510.



This preview shows how white text looks on a background with the Yxy color 45.2151, 0.3100, 0.3510.

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

45.2151, 0.3100, 0.3510

Protanopia

44.9965, 0.3305, 0.3462

Deuteranopia

45.0688, 0.3399, 0.3329



Tritanopia

45.0836, 0.2936, 0.3105

Trichromacy



Original Color

45.2151, 0.3100, 0.3510

Protanomaly

44.9794, 0.3232, 0.3478

Deuteranomaly

45.0002, 0.3291, 0.3395

Tritanomaly

44.9855, 0.2996, 0.3236

Monochromacy



Original Color

45.2151, 0.3100, 0.3510

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5827, 0.3115, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2151, 0.3100, 0.3510 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(166, 184, 168)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 184, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 184, 168) }
```

Border

The CSS property to change the border of an element to Yxy 45.2151, 0.3100, 0.3510 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(166, 184, 168) }
```

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

```
.border{ border-color:rgb(166, 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(166, 184, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 184, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 184, 168);  
box-shadow:4px 4px 4px 4px rgb(166, 184,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2151, 0.3100, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 184, 168) }
```

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

```
.background{ background-color: rgb(166,  
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](#).

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