

Converting Colors

$Y_{xy}(45.7424, 0.3114, 0.3373)$

Have a look what the booklet for
Yxy(45.7424, 0.3114, 0.3373)
contains.

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Color

Yxy(45.7044, 0.3115, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	AFB6B0
RGB	175, 182, 176
RGB Percent	69%, 71%, 69%
CMY	0.3137, 0.2863, 0.3098
CMYK	0.04, 0.00, 0.03, 0.29
HSL	128°, 5%, 70%
HSV	128°, 4%, 71%
XYZ	42.2461, 45.7044, 47.6709
YIQ	179.2230, -2.2460, -3.3500

Conversions

Conversions Part 2

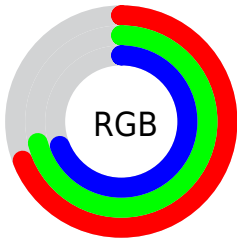
Format	Color
RYB	175, 181, 182
Decimal	11515568
CIELab	73.35, -3.56, 2.19
CIElCh	73, 4.183, 148.411
Yxy	45.7044, 0.3115, 0.3370
Android (android.graphics.Color)	4289705648 (0xFFAFB6B0)
YUV	179.2230, -1.5889, -3.7036
Hunter-Lab	67.6050, -6.7650, 5.5159

Details

The Yxy color **45.7044, 0.3115, 0.3370** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.9474, 0.3140, 0.3211**, and the grayscale version is **45.2160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9642, 0.3118, 0.3352**, and **21.3667, 0.3111, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **43.1569, 0.3083, 0.3598**, and if you desaturate by 10%, it is **48.6109, 0.3146, 0.3170**.

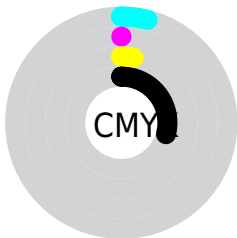
Distribution



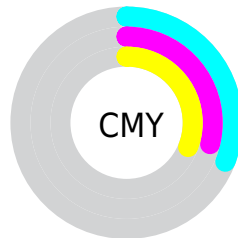
- Red (69%)
- Green (71%)
- Blue (69%)



- Red (69%)
- Yellow (71%)
- Blue (71%)



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7044, 0.3115, 0.3370 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 45.7044, 0.3115, 0.3370 by changing the saturation by 10% instead.

■ 45.7044, 0.3115,
0.3370

■ 45.7044, 0.3115,
0.3370

369.6190, 0.3121,
0.3330

■ 32.0126, 0.3113,
0.3380

■ 83.7764, 0.3117,
0.3355

■ 21.3711, 0.3111,
0.3393

108.9255, 0.3118,
0.3350

■ 13.3956, 0.3108,
0.3411

138.6624, 0.3119,
0.3345

■ 7.7015, 0.3104,
0.3436

173.3716, 0.3119,
0.3341

■ 3.9045, 0.3098,
0.3474

213.4374, 0.3120,
0.3338

■ 1.6203, 0.3087,
0.3539

259.2444, 0.3120,

■ 0.3712, 0.2994,

0.3335

0.4180

311.1767, 0.3121,
0.3332

0.0000, 0.0000,
0.0000

45.7044, 0.3115,
0.3370

45.7044, 0.3115,
0.3370

43.1569, 0.3083,
0.3598

48.6109, 0.3146,
0.3170

40.9487, 0.3050,
0.3854

51.8833, 0.3176,
0.2996

39.0674, 0.3019,
0.4137

55.5360, 0.3204,
0.2845

37.4972, 0.2990,
0.4442

59.5807, 0.3229,
0.2714

36.2212, 0.2966,
0.4757

61.8792, 0.3167,
0.2583

■ 35.2211, 0.2950,
0.5070

■ 61.9359, 0.3161,
0.2575

■ 34.4760, 0.2943,
0.5360

■ 33.9625, 0.2947,
0.5608

■ 33.6523, 0.2960,
0.5798

Harmonies

Analogous

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



45.7044, 0.3174, 0.3392



45.7044, 0.3115, 0.3370



45.7044, 0.3060, 0.3326

Triad

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



45.7044, 0.3115, 0.3370



45.7044, 0.3034, 0.3195



45.7044, 0.3233, 0.3306

Complementary

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



45.7044, 0.3115, 0.3370



43.9474, 0.3140, 0.3211

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.



45.7044, 0.3195, 0.3254



45.7044, 0.3115, 0.3370



45.7044, 0.3080, 0.3191

Square

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



45.7044, 0.3115, 0.3370



45.7044, 0.3014, 0.3225



45.7044, 0.3139, 0.3212



45.7044, 0.3242, 0.3354

Rectangle

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



45.7044, 0.3115, 0.3370



45.7044, 0.3032, 0.3291



45.7044, 0.3139, 0.3212



45.7044, 0.3223, 0.3288

Sweetspot

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



45.7064, 0.3115, 0.3370



84.2845, 0.3124, 0.3311



46.3837, 0.3175, 0.3382



18.6218, 0.3124, 0.3310



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.



45.7064, 0.3115, 0.3370



82.2544, 0.3111, 0.3397



45.8441, 0.3088, 0.3324



10.3013, 0.3109, 0.3408



23.6842, 0.2964, 0.5871



0.8416, 0.2858, 0.5489

Inverse Universe

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



43.9474, 0.3140, 0.3211



78.0645, 0.3144, 0.3185



43.8081, 0.3168, 0.3256



9.7230, 0.3145, 0.3175



8.7310, 0.3597, 0.1755



0.3139, 0.3483, 0.1692

Previews

White Background



This preview shows how the Yxy color 45.7044, 0.3115, 0.3370 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 45.7044, 0.3115, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

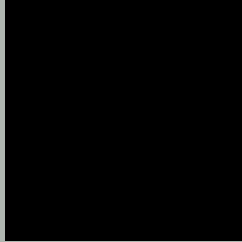
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

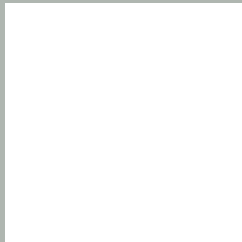
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7044, 0.3115, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 45.7044, 0.3115, 0.3370.



This preview shows how white text looks on a background with the Yxy color 45.7044, 0.3115, 0.3370.

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

45.7044, 0.3115, 0.3370

Protanopia

45.4865, 0.3211, 0.3356

Deuteranopia

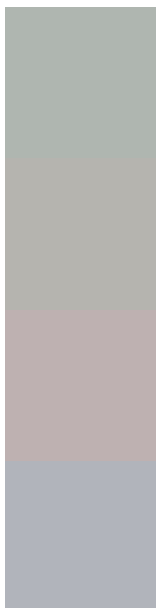
45.4922, 0.3309, 0.3240



Tritanopia

45.6002, 0.3001, 0.3095

Trichromacy



Original Color

45.7044, 0.3115, 0.3370

Protanomaly

45.5614, 0.3176, 0.3356

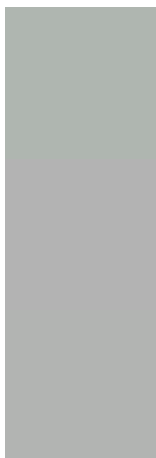
Deuteranomaly

45.5658, 0.3242, 0.3290

Tritanomaly

45.5775, 0.3047, 0.3198

Monochromacy



Original Color

45.7044, 0.3115, 0.3370

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.3218, 0.3126, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7044, 0.3115, 0.3370 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, 182, 176)` looks like.

```
.text, #text, p{  
    color:rgb(175, 182, 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(175, 182, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 182, 176) }
```

Border

The CSS property to change the border of an element to Yxy 45.7044, 0.3115, 0.3370 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, 182, 176) }
```

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

```
.border{ border-color:rgb(175, 182, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 182, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 182, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 182, 176);  
box-shadow:4px 4px 4px 4px rgb(175, 182,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7044, 0.3115, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 182, 176) }
```

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

```
.background{ background-color: rgb(175,  
182, 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](#).

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