

Converting Colors

$Y_{xy}(45.5755, 0.3124, 0.3373)$

Have a look what the booklet for
Yxy(45.5755, 0.3124, 0.3373)
contains.

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Color

Yxy(45.6650, 0.3123, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	AFB6AF
RGB	175, 182, 175
RGB Percent	69%, 71%, 69%
CMY	0.3137, 0.2862, 0.3138
CMYK	0.04, 0.00, 0.04, 0.29
HSL	120°, 5%, 70%
HSV	120°, 4%, 71%
XYZ	42.1430, 45.6650, 47.1359
YIQ	179.1090, -1.9250, -3.6610

Conversions

Conversions Part 2

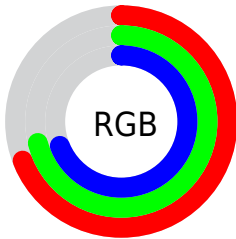
Format	Color
RYB	175, 182, 182
Decimal	11515567
CIELab	73.33, -3.76, 2.72
CIELCh	73, 4.642, 144.169
Yxy	45.6650, 0.3123, 0.3384
Android (android.graphics.Color)	4289705647 (0xFFAFB6AF)
YUV	179.1090, -2.0257, -3.6036
Hunter-Lab	67.5759, -6.9382, 5.9468

Details

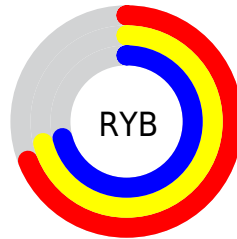
The Yxy color **45.6650, 0.3123, 0.3384** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.9694, 0.3131, 0.3198**, and the grayscale version is **45.1524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8512, 0.3130, 0.3373**, and **21.3415, 0.3122, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **43.0410, 0.3111, 0.3651**, and if you desaturate by 10%, it is **48.6708, 0.3133, 0.3151**.

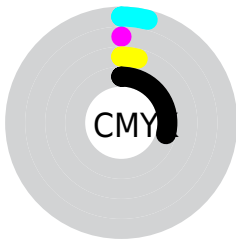
Distribution



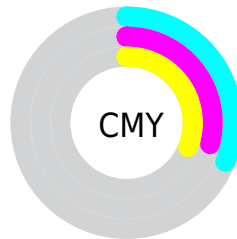
- Red (69%)
- Green (71%)
- Blue (69%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6650, 0.3123, 0.3384 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 45.6650, 0.3123, 0.3384 by changing the saturation by 10% instead.

■ 45.6650, 0.3123,
0.3384

■ 45.6650, 0.3123,
0.3384

369.4602, 0.3125,
0.3337

■ 31.9815, 0.3122,
0.3396

■ 83.7174, 0.3124,
0.3367

■ 21.3474, 0.3122,
0.3412

108.8552, 0.3124,
0.3360

■ 13.3782, 0.3120,
0.3432

138.5798, 0.3124,
0.3355

■ 7.6895, 0.3119,
0.3462

173.2757, 0.3125,
0.3350

■ 3.8969, 0.3116,
0.3507

213.3274, 0.3125,
0.3346

■ 1.6161, 0.3111,
0.3583

259.1190, 0.3125,

■ 0.3684, 0.3083,

0.3343

0.4397

311.0352, 0.3125,
0.3339

0.0000, 0.0000,
0.0000

45.6650, 0.3123,
0.3384

45.6650, 0.3123,
0.3384

43.0410, 0.3111,
0.3651

48.6708, 0.3133,
0.3151

40.7779, 0.3098,
0.3952

52.0667, 0.3142,
0.2949

38.8619, 0.3083,
0.4282

55.8680, 0.3150,
0.2776

37.2756, 0.3067,
0.4633

60.0875, 0.3156,
0.2628

36.0006, 0.3050,
0.4987

61.9386, 0.3161,
0.2575

■ 35.0164, 0.3034,
0.5321

■ 34.3000, 0.3021,
0.5607

■ 33.8253, 0.3010,
0.5821

■ 33.5605, 0.3003,
0.5950

Harmonies

Analogous

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



45.6650, 0.3188, 0.3404



45.6650, 0.3123, 0.3384



45.6650, 0.3060, 0.3338

Triad

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



45.6650, 0.3123, 0.3384



45.6650, 0.3019, 0.3188



45.6650, 0.3240, 0.3299

Complementary

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



45.6650, 0.3123, 0.3384



43.9694, 0.3131, 0.3198

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.



45.6650, 0.3194, 0.3243



45.6650, 0.3123, 0.3384



45.6650, 0.3066, 0.3179

Square

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



45.6650, 0.3123, 0.3384



45.6650, 0.3001, 0.3225



45.6650, 0.3130, 0.3199



45.6650, 0.3256, 0.3354

Rectangle

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



45.6650, 0.3123, 0.3384



45.6650, 0.3028, 0.3300



45.6650, 0.3130, 0.3199



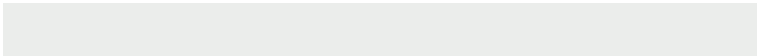
45.6650, 0.3228, 0.3280

Sweetspot

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



45.6670, 0.3123, 0.3384



84.2668, 0.3126, 0.3314



46.4506, 0.3183, 0.3381



18.6181, 0.3126, 0.3313



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.



45.6670, 0.3123, 0.3384



82.1701, 0.3122, 0.3415



45.7988, 0.3096, 0.3338



10.2897, 0.3121, 0.3428



23.6304, 0.3001, 0.5999



0.8336, 0.3006, 0.5996

Inverse Universe

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



43.9694, 0.3131, 0.3198



78.1538, 0.3133, 0.3168



43.8341, 0.3159, 0.3242



9.7354, 0.3133, 0.3156



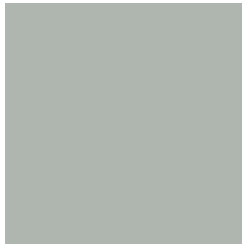
9.3439, 0.3199, 0.1536



0.3300, 0.3202, 0.1537

Previews

White Background



This preview shows how the Yxy color 45.6650, 0.3123, 0.3384 looks on a white background.

Color Contrast Check

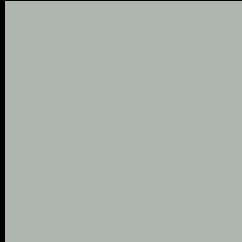
Large Text (above 18pt) WCAG AA × Fail

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 45.6650, 0.3123, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

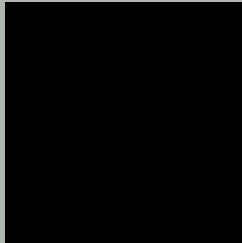
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

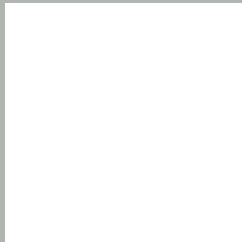
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6650, 0.3123, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 45.6650, 0.3123, 0.3384.



This preview shows how white text looks on a background with the Yxy color 45.6650, 0.3123, 0.3384.

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

45.6650, 0.3123, 0.3384

Protanopia

45.5716, 0.3228, 0.3369

Deuteranopia

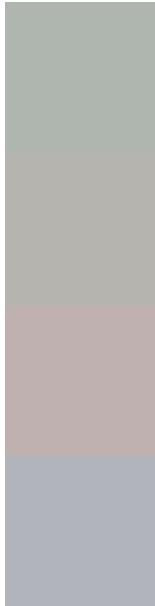
45.4522, 0.3318, 0.3253



Tritanopia

45.5554, 0.3009, 0.3108

Trichromacy



Original Color

45.6650, 0.3123, 0.3384

Protanomaly

45.5223, 0.3184, 0.3369

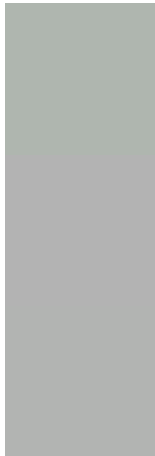
Deuteranomaly

45.5260, 0.3250, 0.3303

Tritanomaly

45.5348, 0.3054, 0.3211

Monochromacy



Original Color

45.6650, 0.3123, 0.3384

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 45.6650, 0.3123, 0.3384 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(175, 182, 175)  
}
```

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, 175) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 45.6650, 0.3123, 0.3384 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, 175) }
```

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

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

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, 175)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 45.6650, 0.3123, 0.3384 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, 175) }
```

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

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

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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