

Converting Colors

$Y_{xy}(45.9632, 0.3131, 0.3402)$

Have a look what the booklet for
Yxy(45.9632, 0.3131, 0.3402)
contains.

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Color

Yxy(46.0369, 0.3130, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	AFB7AE
RGB	175, 183, 174
RGB Percent	69%, 72%, 68%
CMY	0.3137, 0.2824, 0.3176
CMYK	0.04, 0.00, 0.05, 0.28
HSL	113°, 6%, 70%
HSV	113°, 5%, 72%
XYZ	42.2567, 46.0369, 46.7119
YIQ	179.5820, -1.8790, -4.4950

Conversions

Conversions Part 2

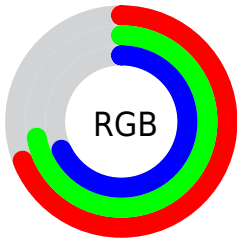
Format	Color
RYB	174, 183, 182
Decimal	11515822
CIELab	73.57, -4.46, 3.59
CIELCh	74, 5.727, 141.193
Yxy	46.0369, 0.3130, 0.3410
Android (android.graphics.Color)	4289705902 (0xFFAFB7AE)
YUV	179.5820, -2.7519, -4.0184
Hunter-Lab	67.8505, -7.5700, 6.6769

Details

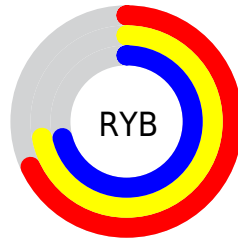
The Yxy color `46.0369, 0.3130, 0.3410` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `43.6429, 0.3124, 0.3172`, and the grayscale version is `45.4247, 0.3127, 0.3290`.

A 20% lighter version of the original color is `84.3791, 0.3136, 0.3393`, and `21.5814, 0.3132, 0.3437` is the 20% darker color. If you saturate the color by 10%, you get `43.6028, 0.3135, 0.3678`, and if you desaturate by 10%, it is `48.7989, 0.3124, 0.3173`.

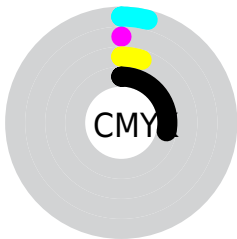
Distribution



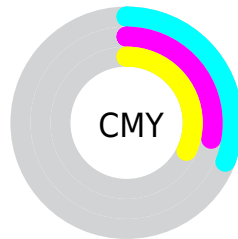
- Red (69%)
- Green (72%)
- Blue (68%)



- Red (68%)
- Yellow (72%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (5%)
- Black (28%)



- Cyan (31%)
- Magenta (28%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0369, 0.3130, 0.3410 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 46.0369, 0.3130, 0.3410 by changing the saturation by 10% instead.

■ 46.0369, 0.3130,
0.3410

■ 46.0369, 0.3130,
0.3410

370.9570, 0.3129,
0.3349

■ 32.2749, 0.3130,
0.3425

■ 84.2742, 0.3130,
0.3388

■ 21.5716, 0.3130,
0.3445

109.5184, 0.3129,
0.3380

■ 13.5425, 0.3131,
0.3472

139.3587, 0.3129,
0.3373

■ 7.8031, 0.3131,
0.3509

174.1796, 0.3129,
0.3367

■ 3.9692, 0.3131,
0.3567

214.3655, 0.3129,
0.3361

■ 1.6564, 0.3130,
0.3665

260.3008, 0.3129,

■ 0.3952, 0.3170,

0.3357

0.4698

312.3698, 0.3129,
0.3353

0.0000, 0.0000,
0.0000

46.0369, 0.3130,
0.3410

46.0369, 0.3130,
0.3410

43.6028, 0.3135,
0.3678

48.7989, 0.3124,
0.3173

41.4787, 0.3137,
0.3977

51.8940, 0.3117,
0.2966

39.6539, 0.3136,
0.4302

55.3352, 0.3109,
0.2787

38.1150, 0.3131,
0.4644

59.1325, 0.3102,
0.2631

36.8473, 0.3121,
0.4987

62.3462, 0.3160,
0.2585

■ 35.8349, 0.3106,
0.5310

■ 35.0605, 0.3086,
0.5588

■ 34.5041, 0.3062,
0.5799

■ 34.1427, 0.3037,
0.5932

Harmonies

Analogous

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



46.0369, 0.3208, 0.3431



46.0369, 0.3130, 0.3410



46.0369, 0.3052, 0.3356

Triad

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



46.0369, 0.3130, 0.3410



46.0369, 0.2990, 0.3168



46.0369, 0.3262, 0.3294

Complementary

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



46.0369, 0.3130, 0.3410



43.6429, 0.3124, 0.3172

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.



46.0369, 0.3202, 0.3225



46.0369, 0.3130, 0.3410



46.0369, 0.3045, 0.3153

Square

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



46.0369, 0.3130, 0.3410



46.0369, 0.2972, 0.3215



46.0369, 0.3123, 0.3174



46.0369, 0.3285, 0.3362

Rectangle

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



46.0369, 0.3130, 0.3410



46.0369, 0.3010, 0.3309



46.0369, 0.3123, 0.3174



46.0369, 0.3246, 0.3270

Sweetspot

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



46.0389, 0.3130, 0.3410



84.3100, 0.3128, 0.3314



46.5593, 0.3199, 0.3394



18.6272, 0.3128, 0.3313



93.3107, 0.3127, 0.3290



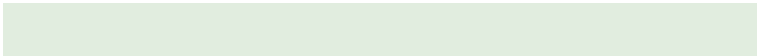
18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.0389, 0.3130, 0.3410



81.9068, 0.3131, 0.3440



46.0597, 0.3095, 0.3364



10.2642, 0.3131, 0.3452



23.7483, 0.3032, 0.5975



0.8530, 0.3143, 0.5886

Inverse Universe

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



43.6429, 0.3124, 0.3172



76.6151, 0.3123, 0.3143



43.6234, 0.3161, 0.3217



9.5537, 0.3123, 0.3132



7.8087, 0.2934, 0.1390



0.2898, 0.3009, 0.1431

Previews

White Background



This preview shows how the Yxy color 46.0369, 0.3130, 0.3410 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 46.0369, 0.3130, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

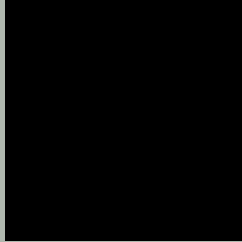
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

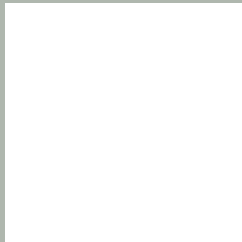
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0369, 0.3130, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 46.0369, 0.3130, 0.3410.



This preview shows how white text looks on a background with the Yxy color 46.0369, 0.3130, 0.3410.

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

46.0369, 0.3130, 0.3410

Protanopia

46.0602, 0.3244, 0.3395

Deuteranopia

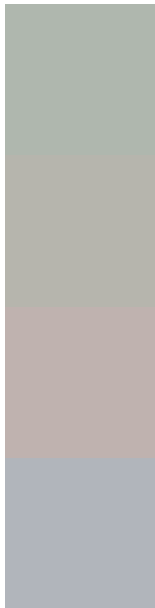
46.0739, 0.3343, 0.3278



Tritanopia

46.0025, 0.3001, 0.3108

Trichromacy



Original Color

46.0369, 0.3130, 0.3410

Protanomaly

46.0100, 0.3200, 0.3396

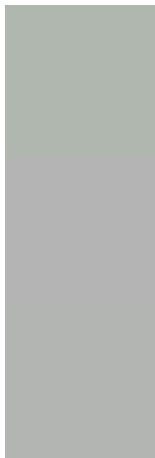
Deuteranomaly

46.0123, 0.3266, 0.3329

Tritanomaly

45.9827, 0.3046, 0.3211

Monochromacy



Original Color

46.0369, 0.3130, 0.3410

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.7271, 0.3125, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0369, 0.3130, 0.3410 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, 183, 174)` looks like.

```
.text, #text, p{  
    color:rgb(175, 183, 174)  
}
```

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, 183, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 183, 174) }
```

Border

The CSS property to change the border of an element to Yxy 46.0369, 0.3130, 0.3410 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, 183, 174) }
```

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

```
.border{ border-color:rgb(175, 183, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 183, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 183, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 183, 174);  
box-shadow:4px 4px 4px 4px rgb(175, 183,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0369, 0.3130, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 183, 174) }
```

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

```
.background{ background-color: rgb(175,  
183, 174) }
```

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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