

# Converting Colors

$Y_{xy}(46.2002, 0.3167, 0.3375)$

Have a look what the booklet for  
Yxy(46.2002, 0.3167, 0.3375)  
contains.

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# Color

**Yxy(46.2543, 0.3166, 0.3382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4B6AF
RGB	180, 182, 175
RGB Percent	71%, 71%, 69%
CMY	0.2939, 0.2863, 0.3137
CMYK	0.01, 0.00, 0.04, 0.29
HSL	77°, 5%, 70%
HSV	77°, 4%, 71%
XYZ	43.3002, 46.2543, 47.2117
YIQ	180.6040, 1.0550, -2.6010

# Conversions

## Conversions Part 2

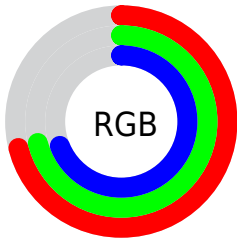
Format	Color
<a href="#">RYB</a>	<a href="#">175, 182, 177</a>
Decimal	<a href="#">11843247</a>
CIELab	<a href="#">73.71, -1.95, 3.30</a>
CIELCh	<a href="#">74, 3.832, 120.664</a>
Yxy	<a href="#">46.2543, 0.3166, 0.3382</a>
Android (android.graphics.Color)	<a href="#">4290033327</a> ( <a href="#">0xFFB4B6AF</a> )
YUV	<a href="#">180.6040, -2.7628, -0.5297</a>
Hunter-Lab	<a href="#">68.0105, -5.3731, 6.4493</a>

# Details

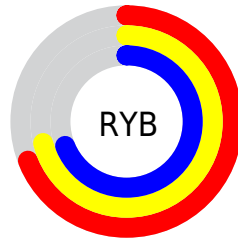
The Yxy color  $46.2543, 0.3166, 0.3382$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $43.3836, 0.3087, 0.3197$ , and the grayscale version is  $46.0043, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.6951, 0.3163, 0.3372$ , and  $21.6426, 0.3169, 0.3399$  is the 20% darker color. If you saturate the color by 10%, you get  $44.9967, 0.3269, 0.3633$ , and if you desaturate by 10%, it is  $47.6341, 0.3066, 0.3147$ .

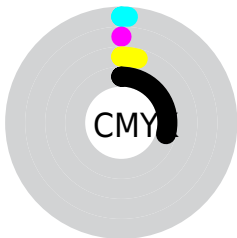
# Distribution



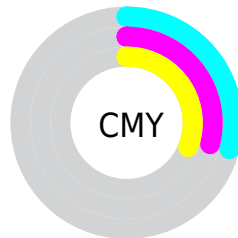
- Red (71%)
- Green (71%)
- Blue (69%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (29%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2543, 0.3166, 0.3382 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 46.2543, 0.3166, 0.3382 by changing the saturation by 10% instead.



■ 46.2543, 0.3166,  
0.3382

■ 46.2543, 0.3166,  
0.3382

371.8301, 0.3147,  
0.3336

■ 32.4465, 0.3171,  
0.3394

■ 84.5995, 0.3159,  
0.3365

■ 21.7028, 0.3177,  
0.3409

109.9056, 0.3156,  
0.3359

■ 13.6387, 0.3185,  
0.3429

139.8134, 0.3154,  
0.3354

■ 7.8698, 0.3197,  
0.3457

174.7072, 0.3152,  
0.3349

■ 4.0117, 0.3214,  
0.3500

214.9713, 0.3151,  
0.3345

■ 1.6801, 0.3242,  
0.3572

260.9903, 0.3149,

■ 0.4107, 0.3532,

0.3342

0.4233

313.1484, 0.3148,  
0.3339

0.0000, 0.0000,  
0.0000

46.2543, 0.3166,  
0.3382

46.2543, 0.3166,  
0.3382

44.9967, 0.3269,  
0.3633

47.6341, 0.3066,  
0.3147

43.8513, 0.3371,  
0.3897

49.1339, 0.2970,  
0.2930

42.8157, 0.3470,  
0.4166

50.7594, 0.2879,  
0.2732

41.8853, 0.3560,  
0.4434

52.5141, 0.2794,  
0.2552

41.0551, 0.3637,  
0.4690

53.6718, 0.2784,  
0.2491

■ 40.3197, 0.3696,  
0.4923

■ 54.3979, 0.2821,  
0.2499

■ 39.6728, 0.3732,  
0.5121

■ 55.1472, 0.2858,  
0.2507

■ 39.1076, 0.3743,  
0.5275

■ 55.9198, 0.2895,  
0.2516

■ 38.6157, 0.3730,  
0.5383

■ 56.7159, 0.2933,  
0.2524

# Harmonies

## Analogous

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



46.2543, 0.3210, 0.3378



46.2543, 0.3166, 0.3382



46.2543, 0.3112, 0.3361

# Triad

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



46.2543, 0.3166, 0.3382



46.2543, 0.3024, 0.3228



46.2543, 0.3192, 0.3261

# Complementary

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



46.2543, 0.3166, 0.3382



43.3836, 0.3087, 0.3197

# 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.



46.2543, 0.3142, 0.3221



46.2543, 0.3166, 0.3382



46.2543, 0.3045, 0.3202

# Square

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



46.2543, 0.3166, 0.3382



46.2543, 0.3030, 0.3271



46.2543, 0.3088, 0.3200



46.2543, 0.3225, 0.3308



# Rectangle

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



46.2543, 0.3166, 0.3382



46.2543, 0.3078, 0.3335



46.2543, 0.3088, 0.3200



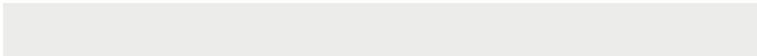
46.2543, 0.3177, 0.3246

# Sweetspot

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



46.2563, 0.3166, 0.3382



84.5585, 0.3137, 0.3314



44.4342, 0.3187, 0.3315



18.6792, 0.3137, 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.



46.2563, 0.3166, 0.3382



83.5795, 0.3179, 0.3413



45.8507, 0.3137, 0.3383



10.4841, 0.3184, 0.3426



27.1133, 0.3720, 0.5429



0.9849, 0.3847, 0.5327



# Inverse Universe

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



43.3836, 0.3087, 0.3197



76.7182, 0.3074, 0.3166



43.7900, 0.3117, 0.3198



9.5370, 0.3068, 0.3153



2.8966, 0.1684, 0.0701



0.1340, 0.1978, 0.0863



# Previews

## White Background



This preview shows how the Yxy color 46.2543, 0.3166, 0.3382 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 46.2543, 0.3166, 0.3382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

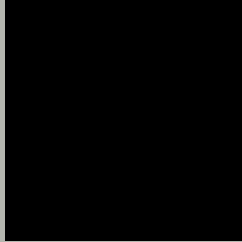
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

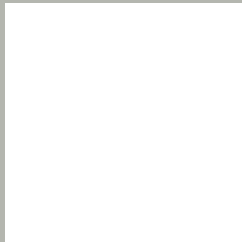
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.2543, 0.3166, 0.3382**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.2543, 0.3166, 0.3382.



This preview shows how white text looks on a background with the Yxy color 46.2543, 0.3166, 0.3382.

# 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

46.2543, 0.3166, 0.3382

### Protanopia

46.1376, 0.3228, 0.3368

### Deuteranopia

46.0739, 0.3343, 0.3278



## Tritanopia

46.1577, 0.3051, 0.3110

# Trichromacy



## Original Color

46.2543, 0.3166, 0.3382

## Protanomaly

46.2941, 0.3209, 0.3382

## Deuteranomaly

46.3128, 0.3276, 0.3316

## Tritanomaly

46.1328, 0.3097, 0.3212

# Monochromacy



## Original Color

46.2543, 0.3166, 0.3382

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.1262, 0.3143, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2543, 0.3166, 0.3382 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(180, 182, 175)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 182, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 182, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2543, 0.3166, 0.3382 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(180, 182, 175) }
```

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

```
.border{ border-color:rgb(180, 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(180, 182, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 182, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 182, 175); box-shadow:4px 4px 4px 4px rgb(180, 182, 175) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2543, 0.3166, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 182, 175) }
```

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

```
.background{ background-color: rgb(180,  
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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