

# Converting Colors

$Yxy(46.1317, 0.3067, 0.3488)$

Have a look what the booklet for  
Yxy(46.1317, 0.3067, 0.3488)  
contains.

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# Color

**Yxy(46.0957, 0.3060, 0.3481)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5BAAC
RGB	165, 186, 172
RGB Percent	65%, 73%, 67%
CMY	0.3530, 0.2706, 0.3254
CMYK	0.11, 0.00, 0.08, 0.27
HSL	140°, 13%, 69%
HSV	140°, 11%, 73%
XYZ	40.5208, 46.0957, 45.8044
YIQ	178.1250, -8.0220, -8.8060

# Conversions

## Conversions Part 2

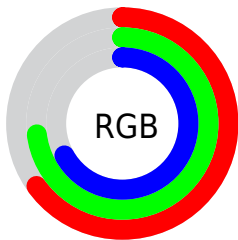
Format	Color
R <sub>Y</sub> B	165, 181, 186
Decimal	10861228
CIE Lab	73.61, -9.93, 4.64
CIE LCh	74, 10.956, 154.955
Yxy	46.0957, 0.3060, 0.3481
Android (android.graphics.Color)	4289051308 (0xFFFA5BAAC)
YUV	178.1250, -3.0196, -11.5106
Hunter-Lab	67.8938, -12.2808, 7.5258

# Details

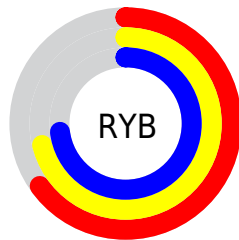
The Yxy color **46.0957, 0.3060, 0.3481** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.5955, 0.3201, 0.3106**, and the grayscale version is **44.6098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2660, 0.3074, 0.3448**, and **21.6418, 0.3037, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **43.7929, 0.3002, 0.3672**, and if you desaturate by 10%, it is **48.7367, 0.3119, 0.3311**.

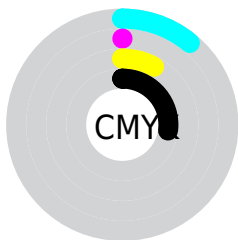
# Distribution



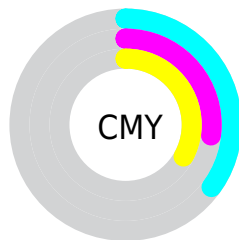
- Red (65%)
- Green (73%)
- Blue (67%)



- Red (65%)
- Yellow (71%)
- Blue (73%)



- Cyan (11%)
- Magenta (0%)
- Yellow (8%)
- Black (27%)



- Cyan (35%)
- Magenta (27%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0957, 0.3060, 0.3481 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 46.0957, 0.3060, 0.3481 by changing the saturation by 10% instead.




 46.0957, 0.3060,  
0.3481


 46.0957, 0.3060,  
0.3481


371.1933, 0.3094,  
0.3384

 32.3213, 0.3051,  
0.3506


 84.3622, 0.3073,  
0.3445

 21.6071, 0.3040,  
0.3538


 109.6231, 0.3077,  
0.3432

 13.5685, 0.3024,  
0.3581


139.4817, 0.3081,  
0.3421

 7.8211, 0.3002,  
0.3643

174.3224, 0.3085,  
0.3411

 3.9807, 0.2968,  
0.3737

214.5294, 0.3088,  
0.3403

 1.6628, 0.2908,  
0.3901

260.4874, 0.3090,

 0.3994, 0.2121,

0.3396

0.6170

312.5805, 0.3092,  
0.3390

0.0000, 0.0000,  
0.0000

46.0957, 0.3060,  
0.3481

46.0957, 0.3060,  
0.3481

43.7929, 0.3002,  
0.3672

48.7367, 0.3119,  
0.3311

41.8088, 0.2946,  
0.3884

51.7229, 0.3178,  
0.3160

40.1307, 0.2897,  
0.4114

55.0684, 0.3236,  
0.3028

38.7428, 0.2856,  
0.4360

58.7849, 0.3291,  
0.2913

37.6279, 0.2828,  
0.4615

62.3133, 0.3319,  
0.2809

■ 36.7668, 0.2814,  
0.4870

■ 63.0486, 0.3224,  
0.2693

■ 36.1377, 0.2817,  
0.5114

■ 63.6010, 0.3159,  
0.2614

■ 35.7151, 0.2837,  
0.5338

■ 35.4727, 0.2864,  
0.5509

# Harmonies

## Analogous

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



46.0957, 0.3215, 0.3553



46.0957, 0.3060, 0.3481



46.0957, 0.2926, 0.3354

# Triad

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



46.0957, 0.3060, 0.3481



46.0957, 0.2907, 0.3036



46.0957, 0.3417, 0.3356

# Complementary

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



46.0957, 0.3060, 0.3481



40.5955, 0.3201, 0.3106

# 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.



46.0957, 0.3331, 0.3223



46.0957, 0.3060, 0.3481



46.0957, 0.3034, 0.3042

# Square

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



46.0957, 0.3060, 0.3481



46.0957, 0.2839, 0.3097



46.0957, 0.3190, 0.3110



46.0957, 0.3424, 0.3476



# Rectangle

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



46.0957, 0.3060, 0.3481



46.0957, 0.2865, 0.3259



46.0957, 0.3190, 0.3110



46.0957, 0.3397, 0.3312

# Sweetspot

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



46.0977, 0.3060, 0.3481



87.4513, 0.3109, 0.3339



47.4203, 0.3233, 0.3570



19.1698, 0.3104, 0.3352



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

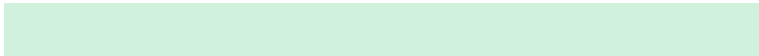


# Same Dimension

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



46.0977, 0.3060, 0.3481



82.2633, 0.3043, 0.3535



46.5163, 0.2982, 0.3337



10.1085, 0.3072, 0.3446



23.8754, 0.2857, 0.5485



0.8535, 0.2703, 0.4929



# Inverse Universe

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



40.5955, 0.3201, 0.3106



69.9597, 0.3223, 0.3057



40.1877, 0.3294, 0.3244



9.1102, 0.3187, 0.3139



8.0107, 0.4264, 0.2123



0.2934, 0.3929, 0.1938



# Previews

## White Background



This preview shows how the Yxy color 46.0957, 0.3060, 0.3481 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

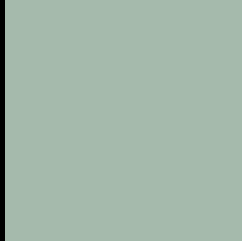
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0957, 0.3060, 0.3481 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

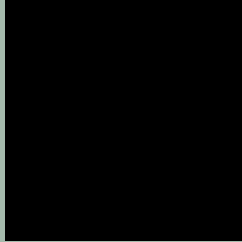
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

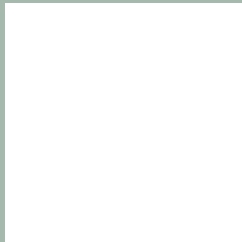
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.0957, 0.3060, 0.3481**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0957, 0.3060, 0.3481.



This preview shows how white text looks on a background with the Yxy color 46.0957, 0.3060, 0.3481.

# 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

46.0957, 0.3060, 0.3481

### Protanopia

46.0719, 0.3278, 0.3434

### Deuteranopia

45.9953, 0.3360, 0.3303



## Tritanopia

45.9221, 0.2907, 0.3092

# Trichromacy



## Original Color

46.0957, 0.3060, 0.3481

## Protanomaly

45.9419, 0.3197, 0.3450

## Deuteranomaly

45.8221, 0.3246, 0.3369

## Tritanomaly

45.8226, 0.2965, 0.3223

# Monochromacy



## Original Color

46.0957, 0.3060, 0.3481

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

45.0666, 0.3098, 0.3357

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0957, 0.3060, 0.3481 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(165, 186, 172)` looks like.

```
.text, #text, p{  
    color:rgb(165, 186, 172)  
}
```

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(165, 186, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 186, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0957, 0.3060, 0.3481 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(165, 186, 172) }
```

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

```
.border{ border-color:rgb(165, 186, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 186, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 186, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 186, 172);  
box-shadow:4px 4px 4px 4px rgb(165, 186,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0957, 0.3060, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 186, 172) }
```

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

```
.background{ background-color: rgb(165,  
186, 172) }
```

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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