

# Converting Colors

$Y_{xy}(46.2440, 0.2955, 0.3319)$

Have a look what the booklet for  
Yxy(46.2440, 0.2955, 0.3319)  
contains.

<b>Yxy(46.3650, 0.2955, 0.3317)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(46.3650, 0.2955, 0.3317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3BAB8
RGB	163, 186, 184
RGB Percent	64%, 73%, 72%
CMY	0.3610, 0.2705, 0.2785
CMYK	0.12, 0.00, 0.01, 0.27
HSL	175°, 14%, 68%
HSV	175°, 12%, 73%
XYZ	41.3050, 46.3650, 52.1100
YIQ	178.8950, -13.0660, -5.4980

# Conversions

## Conversions Part 2

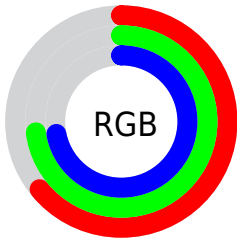
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 175, 186
Decimal	10730168
CIELab	73.78, -8.26, -1.64
CIElCh	74, 8.427, 191.255
Yxy	46.3650, 0.2955, 0.3317
Android (android.graphics.Color)	4288920248 (0xFFA3BAB8)
YUV	178.8950, 2.5168, -13.9399
Hunter-Lab	68.0918, -10.8815, 2.2903

# Details

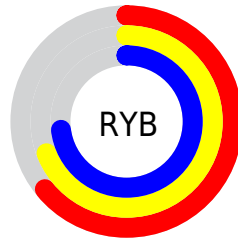
The Yxy color **46.3650, 0.2955, 0.3317** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.3328, 0.3330, 0.3263**, and the grayscale version is **45.0078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7010, 0.2986, 0.3311**, and **21.7933, 0.2906, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **44.4780, 0.2825, 0.3341**, and if you desaturate by 10%, it is **48.5455, 0.3093, 0.3295**.

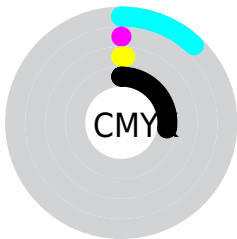
# Distribution



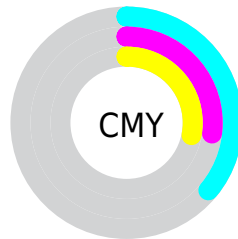
- Red (64%)
- Green (73%)
- Blue (72%)



- Red (64%)
- Yellow (69%)
- Blue (73%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)




- Cyan (36%)
- Magenta (27%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3650, 0.2955, 0.3317 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 46.3650, 0.2955, 0.3317 by changing the saturation by 10% instead.




 46.3650, 0.2955,  
0.3317


 46.3650, 0.2955,  
0.3317

372.2741, 0.3041,  
0.3304

 32.5339, 0.2934,  
0.3320


 84.7650, 0.2986,  
0.3312

 21.7697, 0.2906,  
0.3324


 110.1027, 0.2998,  
0.3311

 13.6877, 0.2870,  
0.3329


140.0448, 0.3008,  
0.3309

 7.9038, 0.2818,  
0.3336

174.9756, 0.3016,  
0.3308

 4.0335, 0.2742,  
0.3346

215.2795, 0.3024,  
0.3307

 1.6923, 0.2616,  
0.3361

261.3410, 0.3030,

 0.4187, 0.1655,

0.3306

0.3531

313.5444, 0.3036,  
0.3305

0.0000, 0.0000,  
0.0000

46.3650, 0.2955,  
0.3317

46.3650, 0.2955,  
0.3317

44.4780, 0.2825,  
0.3341

48.5455, 0.3093,  
0.3295

42.8660, 0.2705,  
0.3367

51.0254, 0.3236,  
0.3275

41.5176, 0.2599,  
0.3394

53.8179, 0.3382,  
0.3257

40.4182, 0.2508,  
0.3423

56.9334, 0.3528,  
0.3241

39.5515, 0.2435,  
0.3452

60.2003, 0.3664,  
0.3227

■ 38.8998, 0.2381,  
0.3482

■ 60.2736, 0.3649,  
0.3210

■ 38.4426, 0.2346,  
0.3512

■ 60.3477, 0.3635,  
0.3193

■ 38.1551, 0.2328,  
0.3542

■ 60.4226, 0.3621,  
0.3176

■ 38.0134, 0.2323,  
0.3564

■ 60.4983, 0.3607,  
0.3159

# Harmonies

## Analogous

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



46.3650, 0.3052, 0.3418



46.3650, 0.2955, 0.3317



46.3650, 0.2904, 0.3210

# Triad

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



46.3650, 0.2955, 0.3317



46.3650, 0.3081, 0.3106



46.3650, 0.3347, 0.3449

# Complementary

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



46.3650, 0.2955, 0.3317



39.3328, 0.3330, 0.3263

# 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.



46.3650, 0.3356, 0.3363



46.3650, 0.2955, 0.3317



46.3650, 0.3200, 0.3167

# Square

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



46.3650, 0.2955, 0.3317



46.3650, 0.2975, 0.3091



46.3650, 0.3302, 0.3260



46.3650, 0.3279, 0.3494



# Rectangle

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



46.3650, 0.2955, 0.3317



46.3650, 0.2902, 0.3151



46.3650, 0.3302, 0.3260



46.3650, 0.3357, 0.3424

# Sweetspot

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



46.3669, 0.2955, 0.3317



87.2774, 0.3070, 0.3299



45.7951, 0.3131, 0.3609



19.1514, 0.3059, 0.3300



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.



46.3669, 0.2955, 0.3317



82.9970, 0.2917, 0.3324



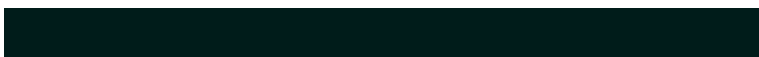
42.6884, 0.2937, 0.3163



10.1966, 0.2997, 0.3310



25.5739, 0.2322, 0.3560



0.9056, 0.2301, 0.3484



# Inverse Universe

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



39.3328, 0.3330, 0.3263



67.6314, 0.3384, 0.3257



42.6559, 0.3333, 0.3413



9.0247, 0.3274, 0.3270



7.0541, 0.6285, 0.3236



0.2530, 0.5874, 0.3009



# Previews

## White Background



This preview shows how the Yxy color 46.3650, 0.2955, 0.3317 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

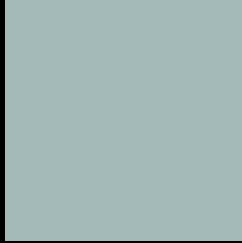
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.3650, 0.2955, 0.3317 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

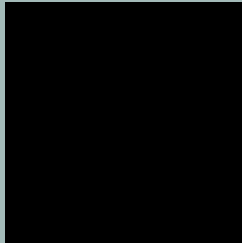
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

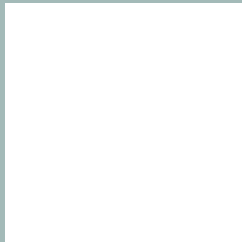
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.3650, 0.2955, 0.3317**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.3650, 0.2955, 0.3317.

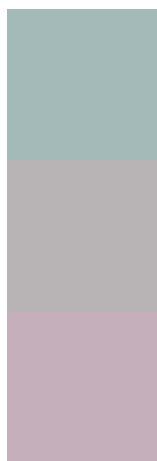


This preview shows how white text looks on a background with the Yxy color 46.3650, 0.2955, 0.3317.

# 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

46.3650, 0.2955, 0.3317

### Protanopia

46.1691, 0.3154, 0.3277

### Deuteranopia

45.9409, 0.3222, 0.3152



## Tritanopia

46.4652, 0.2877, 0.3105

# Trichromacy



**Original Color**

46.3650, 0.2955, 0.3317

**Protanomaly**

46.0634, 0.3076, 0.3290

**Deuteranomaly**

45.9333, 0.3122, 0.3212

**Tritanomaly**

46.5475, 0.2906, 0.3183

# Monochromacy



**Original Color**

46.3650, 0.2955, 0.3317

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

45.6763, 0.3059, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3650, 0.2955, 0.3317 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(163, 186, 184)` looks like.

```
.text, #text, p{  
    color:rgb(163, 186, 184)  
}
```

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(163, 186, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 186, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3650, 0.2955, 0.3317 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(163, 186, 184) }
```

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

```
.border{ border-color:rgb(163, 186, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 186, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 186, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 186, 184);  
box-shadow:4px 4px 4px 4px rgb(163, 186,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3650, 0.2955, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 186, 184) }
```

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

```
.background{ background-color: rgb(163,  
186, 184) }
```

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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