

# Converting Colors

$Yxy(46.0435, 0.2829, 0.3335)$

Have a look what the booklet for  
Yxy(46.0435, 0.2829, 0.3335)  
contains.

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# Color

**Yxy(46.1010, 0.2829, 0.3345)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93BDB9
RGB	147, 189, 185
RGB Percent	58%, 74%, 73%
CMY	0.4234, 0.2588, 0.2746
CMYK	0.22, 0.00, 0.02, 0.26
HSL	174°, 24%, 66%
HSV	174°, 22%, 74%
XYZ	38.9895, 46.1010, 52.7302
YIQ	175.9860, -23.7480, -10.1480

# Conversions

## Conversions Part 2

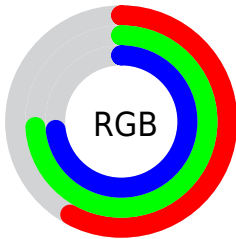
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 169, 189
Decimal	9682361
CIELab	73.61, -14.74, -2.56
CIELCh	74, 14.963, 189.841
Yxy	46.1010, 0.2829, 0.3345
Android (android.graphics.Color)	4287872441 (0xFF93BDB9)
YUV	175.9860, 4.4439, -25.4207
Hunter-Lab	67.8977, -16.3195, 1.4831

# Details

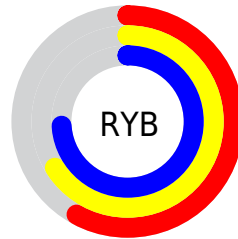
The Yxy color **46.1010, 0.2829, 0.3345** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.9326, 0.3530, 0.3236**, and the grayscale version is **43.3974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2122, 0.2884, 0.3332**, and **21.7072, 0.2743, 0.3366** is the 20% darker color. If you saturate the color by 10%, you get **44.4203, 0.2710, 0.3373**, and if you desaturate by 10%, it is **48.0735, 0.2959, 0.3319**.

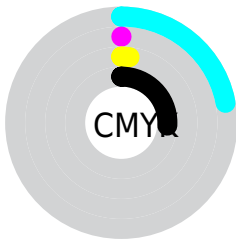
# Distribution



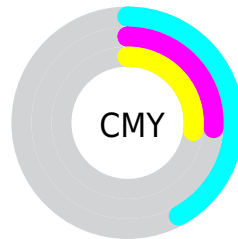
- Red (58%)
- Green (74%)
- Blue (73%)



- Red (58%)
- Yellow (66%)
- Blue (74%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (26%)




- Cyan (42%)
- Magenta (26%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1010, 0.2829, 0.3345 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 46.1010, 0.2829, 0.3345 by changing the saturation by 10% instead.





 46.1010, 0.2829,  
0.3345


 46.1010, 0.2829,  
0.3345

371.2146, 0.2978,  
0.3319

 32.3255, 0.2792,  
0.3351


 84.3701, 0.2883,  
0.3336

 21.6103, 0.2745,  
0.3359


 109.6326, 0.2903,  
0.3332

 13.5708, 0.2682,  
0.3369

139.4928, 0.2920,  
0.3329

 7.8228, 0.2595,  
0.3382

174.3352, 0.2935,  
0.3326

 3.9818, 0.2465,  
0.3401

214.5442, 0.2948,  
0.3324

 1.6634, 0.2254,  
0.3426

260.5042, 0.2959,

 0.3998, 0.0194,

0.3322

0.3867

312.5995, 0.2969,  
0.3320

0.0000, 0.0000,  
0.0000

46.1010, 0.2829,  
0.3345

46.1010, 0.2829,  
0.3345

44.4203, 0.2710,  
0.3373

48.0735, 0.2959,  
0.3319

43.0118, 0.2604,  
0.3403

50.3452, 0.3096,  
0.3295

41.8622, 0.2513,  
0.3434

52.9302, 0.3238,  
0.3273

40.9547, 0.2441,  
0.3466

55.8402, 0.3383,  
0.3254

40.2709, 0.2387,  
0.3499

59.0860, 0.3528,  
0.3237

■ 39.7893, 0.2352,  
0.3531

■ 61.6332, 0.3625,  
0.3220

■ 39.4845, 0.2335,  
0.3564

■ 61.7161, 0.3610,  
0.3202

■ 39.3311, 0.2330,  
0.3589

■ 61.7999, 0.3595,  
0.3183

■ 61.8848, 0.3580,  
0.3164

# Harmonies

## Analogous

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



46.1010, 0.3001, 0.3529



46.1010, 0.2829, 0.3345



46.1010, 0.2737, 0.3152

# Triad

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



46.1010, 0.2829, 0.3345



46.1010, 0.3033, 0.2965



46.1010, 0.3523, 0.3562

# Complementary

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



46.1010, 0.2829, 0.3345



33.9326, 0.3530, 0.3236

# 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.



46.1010, 0.3534, 0.3406



46.1010, 0.2829, 0.3345



46.1010, 0.3246, 0.3068

# Square

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



46.1010, 0.2829, 0.3345



46.1010, 0.2851, 0.2941



46.1010, 0.3432, 0.3227



46.1010, 0.3403, 0.3653



# Rectangle

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



46.1010, 0.2829, 0.3345



46.1010, 0.2730, 0.3047



46.1010, 0.3432, 0.3227



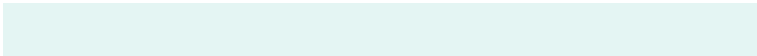
46.1010, 0.3540, 0.3515

# Sweetspot

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



46.1029, 0.2829, 0.3345



88.1036, 0.3028, 0.3306



45.1038, 0.3133, 0.3895



18.8941, 0.3020, 0.3308



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

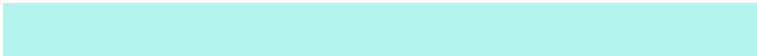


# Same Dimension

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



46.1029, 0.2829, 0.3345



80.9330, 0.2765, 0.3359



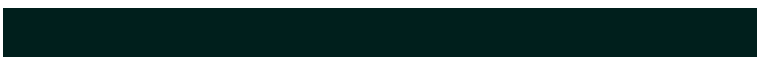
39.4663, 0.2785, 0.3051



10.7934, 0.2997, 0.3312



26.4697, 0.2329, 0.3585



1.0415, 0.2308, 0.3507



# Inverse Universe

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



33.9326, 0.3530, 0.3236



55.0025, 0.3657, 0.3223



39.4127, 0.3525, 0.3517



9.5508, 0.3274, 0.3268



7.3141, 0.6275, 0.3230



0.2916, 0.5861, 0.3002



# Previews

## White Background



This preview shows how the Yxy color 46.1010, 0.2829, 0.3345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

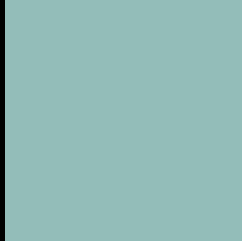
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.1010, 0.2829, 0.3345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

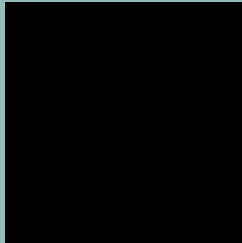
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

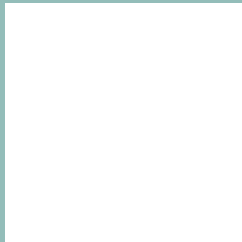
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.1010, 0.2829, 0.3345**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.1010, 0.2829, 0.3345.



This preview shows how white text looks on a background with the Yxy color 46.1010, 0.2829, 0.3345.

# 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

46.1010, 0.2829, 0.3345

### Protanopia

45.6852, 0.3171, 0.3290

### Deuteranopia

45.7601, 0.3188, 0.3126



## Tritanopia

45.8189, 0.2740, 0.3086

# Trichromacy



## Original Color

46.1010, 0.2829, 0.3345

## Protanomaly

45.8611, 0.3042, 0.3317

## Deuteranomaly

45.5775, 0.3047, 0.3198

## Tritanomaly

45.8703, 0.2774, 0.3180

# Monochromacy



## Original Color

46.1010, 0.2829, 0.3345

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

44.3018, 0.3008, 0.3317

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.1010, 0.2829, 0.3345 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(147, 189, 185)` looks like.

```
.text, #text, p{  
    color:rgb(147, 189, 185)  
}
```

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(147, 189, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 189, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 46.1010, 0.2829, 0.3345 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(147, 189, 185) }
```

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

```
.border{ border-color:rgb(147, 189, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 189, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 189, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 189, 185);  
box-shadow:4px 4px 4px 4px rgb(147, 189,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.1010, 0.2829, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 189, 185) }
```

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

```
.background{ background-color: rgb(147,  
189, 185) }
```

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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