

# Converting Colors

$Yxy(46.1032, 0.2901, 0.3618)$

Have a look what the booklet for  
Yxy(46.1032, 0.2901, 0.3618)  
contains.

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# Color

**Yxy(46.2266, 0.2896, 0.3619)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DC0A9
RGB	141, 192, 169
RGB Percent	55%, 75%, 66%
CMY	0.4472, 0.2470, 0.3372
CMYK	0.27, 0.00, 0.12, 0.25
HSL	153°, 29%, 65%
HSV	153°, 27%, 75%
XYZ	36.9915, 46.2266, 44.5150
YIQ	174.1290, -23.0130, -17.9650

# Conversions

## Conversions Part 2

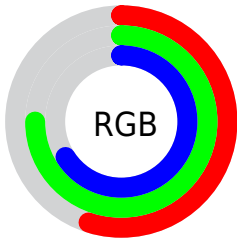
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 174, 192
Decimal	9289897
CIELab	73.69, -21.55, 6.20
CIElCh	74, 22.425, 163.940
Yxy	46.2266, 0.2896, 0.3619
Android (android.graphics.Color)	4287479977 (0xFF8DC0A9)
YUV	174.1290, -2.5286, -29.0541
Hunter-Lab	67.9901, -21.8660, 8.7743

# Details

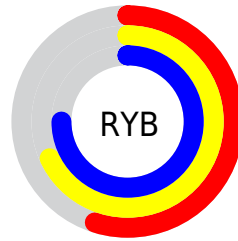
The Yxy color **46.2266, 0.2896, 0.3619** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.9253, 0.3440, 0.2984**, and the grayscale version is **42.4168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8689, 0.2943, 0.3563**, and **21.5852, 0.2824, 0.3713** is the 20% darker color. If you saturate the color by 10%, you get **44.3750, 0.2819, 0.3766**, and if you desaturate by 10%, it is **48.3953, 0.2980, 0.3485**.

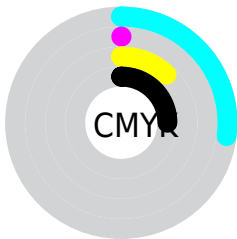
# Distribution



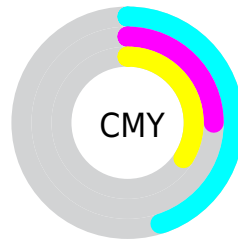
- Red (55%)
- Green (75%)
- Blue (66%)



- Red (55%)
- Yellow (68%)
- Blue (75%)



- Cyan (27%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)




- Cyan (45%)
- Magenta (25%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2266, 0.2896, 0.3619 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 46.2266, 0.2896, 0.3619 by changing the saturation by 10% instead.




 46.2266, 0.2896,  
0.3619


 46.2266, 0.2896,  
0.3619


371.7189, 0.3013,  
0.3451


 32.4247, 0.2866,  
0.3662


 84.5580, 0.2939,  
0.3557

 21.6861, 0.2827,  
0.3719


 109.8563, 0.2955,  
0.3534

 13.6264, 0.2775,  
0.3796


 139.7555, 0.2969,  
0.3514

 7.8613, 0.2701,  
0.3905

174.6400, 0.2980,  
0.3498

 4.0063, 0.2587,  
0.4076

214.8942, 0.2990,  
0.3484

 1.6771, 0.2392,  
0.4375

260.9025, 0.2999,

 0.4088, 0.0000,

0.3471

0.9730

313.0493, 0.3007,  
0.3460

0.0000, 0.0000,  
0.0000

46.2266, 0.2896,  
0.3619

46.2266, 0.2896,  
0.3619

44.3750, 0.2819,  
0.3766

48.3953, 0.2980,  
0.3485

42.8193, 0.2753,  
0.3924

50.8897, 0.3068,  
0.3363

41.5445, 0.2700,  
0.4091


53.7253, 0.3158,  
0.3254


40.5321, 0.2663,  
0.4265


56.9146, 0.3248,  
0.3158

39.7612, 0.2645,  
0.4441


60.4698, 0.3337,  
0.3072

 39.2075, 0.2648,  
0.4616


 64.1799, 0.3414,  
0.2996

 38.8389, 0.2669,  
0.4785

 64.6527, 0.3346,  
0.2911

 38.7345, 0.2678,  
0.4841

 65.1497, 0.3280,  
0.2828

 65.6710, 0.3215,  
0.2747

# Harmonies

## Analogous

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



46.2266, 0.3204, 0.3813



46.2266, 0.2896, 0.3619



46.2266, 0.2658, 0.3327

# Triad

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



46.2266, 0.2896, 0.3619



46.2266, 0.2747, 0.2772



46.2266, 0.3749, 0.3488

# Complementary

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



46.2266, 0.2896, 0.3619



32.9253, 0.3440, 0.2984

# 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.



46.2266, 0.3615, 0.3227



46.2266, 0.2896, 0.3619



46.2266, 0.3025, 0.2827

# Square

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



46.2266, 0.2896, 0.3619



46.2266, 0.2575, 0.2844



46.2266, 0.3345, 0.2991



46.2266, 0.3705, 0.3716



# Rectangle

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



46.2266, 0.2896, 0.3619



46.2266, 0.2566, 0.3130



46.2266, 0.3345, 0.2991



46.2266, 0.3723, 0.3402

# Sweetspot

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



46.2285, 0.2896, 0.3619



91.4614, 0.3054, 0.3381



47.6023, 0.3287, 0.3999



19.4689, 0.3041, 0.3399



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

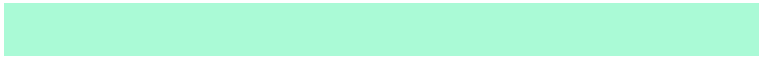


# Same Dimension

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



46.2285, 0.2896, 0.3619



81.6962, 0.2849, 0.3705



46.4267, 0.2741, 0.3265



11.3494, 0.3043, 0.3396



26.0768, 0.2672, 0.4820



1.1404, 0.2568, 0.4444



# Inverse Universe

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



32.9253, 0.3440, 0.2984



53.4836, 0.3533, 0.2912



32.6740, 0.3685, 0.3315



10.1516, 0.3220, 0.3187



8.0135, 0.5144, 0.2608



0.3601, 0.4604, 0.2310



# Previews

## White Background



This preview shows how the Yxy color 46.2266, 0.2896, 0.3619 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

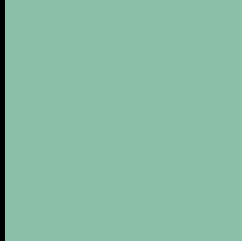
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.2266, 0.2896, 0.3619 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 46.2266, 0.2896, 0.3619**

## Background



This preview shows how black text looks on a background with the Yxy color 46.2266, 0.2896, 0.3619.



This preview shows how white text looks on a background with the Yxy color 46.2266, 0.2896, 0.3619.

# 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

46.2266, 0.2896, 0.3619

### Protanopia

45.9782, 0.3337, 0.3513

### Deuteranopia

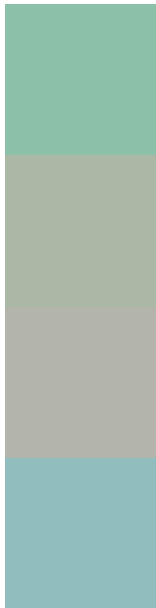
45.7067, 0.3380, 0.3303



## Tritanopia

46.1008, 0.2721, 0.3086

# Trichromacy



**Original Color**

46.2266, 0.2896, 0.3619

**Protanomaly**

45.6555, 0.3166, 0.3549

**Deuteranomaly**

45.6100, 0.3182, 0.3410

**Tritanomaly**

46.1326, 0.2781, 0.3275

# Monochromacy



**Original Color**

46.2266, 0.2896, 0.3619

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

43.7077, 0.3037, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2266, 0.2896, 0.3619 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(141, 192, 169)` looks like.

```
.text, #text, p{  
    color:rgb(141, 192, 169)  
}
```

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(141, 192, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 192, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2266, 0.2896, 0.3619 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(141, 192, 169) }
```

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

```
.border{ border-color:rgb(141, 192, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 192, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 192, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 192, 169);  
box-shadow:4px 4px 4px 4px rgb(141, 192,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2266, 0.2896, 0.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 192, 169) }
```

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

```
.background{ background-color: rgb(141,  
192, 169) }
```

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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