

# Converting Colors

$Yxy(58.0492, 0.2875, 0.3595)$

Have a look what the booklet for  
Yxy(58.0492, 0.2875, 0.3595)  
contains.

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# Color

**Yxy(58.2312, 0.2876, 0.3602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BD5BD
RGB	155, 213, 189
RGB Percent	61%, 84%, 74%
CMY	0.3922, 0.1647, 0.2588
CMYK	0.27, 0.00, 0.11, 0.16
HSL	155°, 41%, 72%
HSV	155°, 27%, 84%
XYZ	46.4944, 58.2312, 56.9379
YIQ	192.9220, -26.8640, -19.7600

# Conversions

## Conversions Part 2

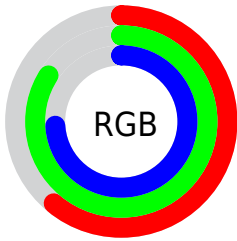
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 192, 213
Decimal	10212797
CIELab	80.87, -23.57, 5.88
CIELCh	81, 24.289, 165.985
Yxy	58.2312, 0.2876, 0.3602
Android (android.graphics.Color)	4288402877 (0xFF9BD5BD)
YUV	192.9220, -1.9335, -33.2576
Hunter-Lab	76.3094, -24.7834, 9.1776

# Details

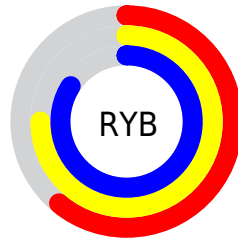
The Yxy color **58.2312, 0.2876, 0.3602** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.8365, 0.3474, 0.2999**, and the grayscale version is **53.3025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9615, 0.2919, 0.3393**, and **29.0561, 0.2806, 0.3681** is the 20% darker color. If you saturate the color by 10%, you get **55.9380, 0.2795, 0.3738**, and if you desaturate by 10%, it is **60.9242, 0.2964, 0.3477**.

# Distribution



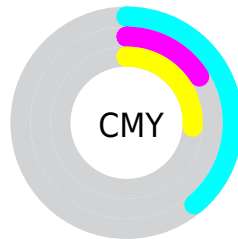
- Red (61%)
- Green (84%)
- Blue (74%)



- Red (61%)
- Yellow (75%)
- Blue (84%)



- Cyan (27%)
- Magenta (0%)
- Yellow (11%)
- Black (16%)




- Cyan (39%)
- Magenta (16%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2312, 0.2876, 0.3602 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 58.2312, 0.2876, 0.3602 by changing the saturation by 10% instead.




 58.2312, 0.2876,  
0.3602


 58.2312, 0.2876,  
0.3602


418.0469, 0.2998,  
0.3449

 41.9945, 0.2846,  
0.3640


 102.2595, 0.2920,  
0.3547

 29.0970, 0.2809,  
0.3687


 130.8199, 0.2936,  
0.3526

 19.1542, 0.2760,  
0.3750


164.2570, 0.2951,  
0.3508

 11.7818, 0.2693,  
0.3837

202.9552, 0.2963,  
0.3493

 6.5953, 0.2597,  
0.3963

247.2989, 0.2973,  
0.3480

 3.2103, 0.2446,  
0.4165

297.6725, 0.2983,

 1.2425, 0.2097,

0.3468

0.4586

354.4603, 0.2991,  
0.3458

■ 0.0960, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.2312, 0.2876,  
0.3602

■ 58.2312, 0.2876,  
0.3602

■ 55.9380, 0.2795,  
0.3738

■ 60.9242, 0.2964,  
0.3477

■ 54.0174, 0.2726,  
0.3884


■ 64.0282, 0.3058,  
0.3365


■ 52.4501, 0.2671,  
0.4038


■ 67.5630, 0.3154,  
0.3263


■ 51.2119, 0.2633,  
0.4198


■ 71.5449, 0.3250,  
0.3173

 50.2759, 0.2614,  
0.4360


 74.7390, 0.3298,  
0.3090

 49.6100, 0.2616,  
0.4521

 75.2553, 0.3236,  
0.3005

 49.1719, 0.2637,  
0.4678

 75.7971, 0.3175,  
0.2921

 49.0712, 0.2645,  
0.4720

 76.0727, 0.3146,  
0.2881

# Harmonies

## Analogous

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



58.2312, 0.3183, 0.3807



58.2312, 0.2876, 0.3602



58.2312, 0.2644, 0.3306

# Triad

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



58.2312, 0.2876, 0.3602



58.2312, 0.2762, 0.2771



58.2312, 0.3753, 0.3506

# Complementary

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



58.2312, 0.2876, 0.3602



40.8365, 0.3474, 0.2999

# 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.



58.2312, 0.3631, 0.3244



58.2312, 0.2876, 0.3602



58.2312, 0.3046, 0.2834

# Square

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



58.2312, 0.2876, 0.3602



58.2312, 0.2581, 0.2834



58.2312, 0.3367, 0.3004



58.2312, 0.3697, 0.3730



# Rectangle

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



58.2312, 0.2876, 0.3602



58.2312, 0.2558, 0.3110



58.2312, 0.3367, 0.3004



58.2312, 0.3732, 0.3420

# Sweetspot

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



58.2336, 0.2876, 0.3602



95.8026, 0.3050, 0.3374



59.5610, 0.3269, 0.4029



20.3469, 0.3035, 0.3390



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

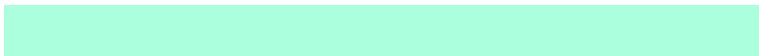


# Same Dimension

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



58.2336, 0.2876, 0.3602



85.3390, 0.2826, 0.3684



56.9668, 0.2726, 0.3227



14.0169, 0.3037, 0.3388



29.9930, 0.2638, 0.4698



1.8253, 0.2563, 0.4428



# Inverse Universe

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



40.8365, 0.3474, 0.2999



54.7684, 0.3579, 0.2931



41.5903, 0.3698, 0.3351



12.5051, 0.3227, 0.3194



9.0916, 0.5309, 0.2698

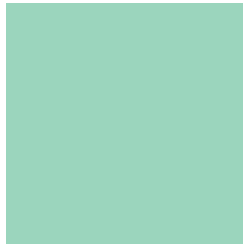


0.5646, 0.4861, 0.2451



# Previews

## White Background



This preview shows how the Yxy color 58.2312, 0.2876, 0.3602 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

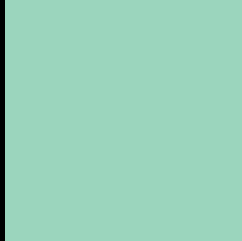
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.2312, 0.2876, 0.3602 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

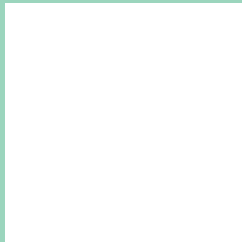
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.2312, 0.2876, 0.3602**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.2312, 0.2876, 0.3602.



This preview shows how white text looks on a background with the Yxy color 58.2312, 0.2876, 0.3602.

# 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

58.2312, 0.2876, 0.3602

### Protanopia

57.6341, 0.3326, 0.3493

### Deuteranopia

57.5198, 0.3365, 0.3291



## Tritanopia

58.2294, 0.2700, 0.3080

# Trichromacy



**Original Color**

58.2312, 0.2876, 0.3602

**Protanomaly**

57.5073, 0.3147, 0.3525

**Deuteranomaly**

57.1201, 0.3170, 0.3387

**Tritanomaly**

58.2176, 0.2760, 0.3264

# Monochromacy



**Original Color**

58.2312, 0.2876, 0.3602

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

54.6980, 0.3023, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2312, 0.2876, 0.3602 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(155, 213, 189)` looks like.

```
.text, #text, p{  
    color:rgb(155, 213, 189)  
}
```

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(155, 213, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 213, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2312, 0.2876, 0.3602 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(155, 213, 189) }
```

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

```
.border{ border-color:rgb(155, 213, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 213, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 213, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 213, 189);  
box-shadow:4px 4px 4px 4px rgb(155, 213,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2312, 0.2876, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 213, 189) }
```

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

```
.background{ background-color: rgb(155,  
213, 189) }
```

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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