

# Converting Colors

$Yxy(56.8955, 0.2927, 0.3842)$

Have a look what the booklet for  
Yxy(56.8955, 0.2927, 0.3842)  
contains.

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# Color

**Yxy(56.7701, 0.2929, 0.3842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93D5AC
RGB	147, 213, 172
RGB Percent	58%, 84%, 67%
CMY	0.4234, 0.1647, 0.3254
CMYK	0.31, 0.00, 0.19, 0.16
HSL	143°, 44%, 71%
HSV	143°, 31%, 84%
XYZ	43.2794, 56.7701, 47.7123
YIQ	188.5920, -26.1750, -26.7430

# Conversions

## Conversions Part 2

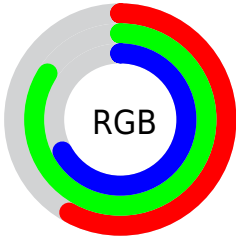
Format	Color
<a href="#">RYB</a>	<a href="#">147, 195, 213</a>
Decimal	<a href="#">9688492</a>
CIELab	<a href="#">80.05, -29.34, 13.69</a>
CIElCh	<a href="#">80, 32.381, 154.983</a>
Yxy	<a href="#">56.7701, 0.2929, 0.3842</a>
Android (android.graphics.Color)	<a href="#">4287878572</a> ( <a href="#">0xFF93D5AC</a> )
YUV	<a href="#">188.5920, -8.1799, -36.4762</a>
Hunter-Lab	<a href="#">75.3459, -29.3232, 15.1972</a>

# Details

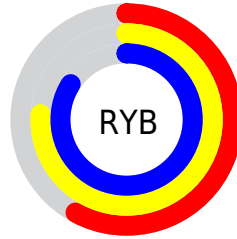
The Yxy color **56.7701, 0.2929, 0.3842** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.6577, 0.3398, 0.2797**, and the grayscale version is **50.7088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6226, 0.2963, 0.3590**, and **28.1895, 0.2867, 0.3995** is the 20% darker color. If you saturate the color by 10%, you get **54.4980, 0.2874, 0.4058**, and if you desaturate by 10%, it is **59.4621, 0.2990, 0.3643**.

# Distribution



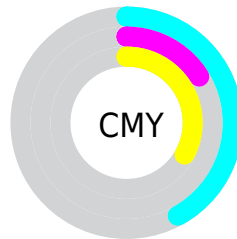
- Red (58%)
- Green (84%)
- Blue (67%)



- Red (58%)
- Yellow (76%)
- Blue (84%)



- Cyan (31%)
- Magenta (0%)
- Yellow (19%)
- Black (16%)




- Cyan (42%)
- Magenta (16%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.7701, 0.2929, 0.3842 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 56.7701, 0.2929, 0.3842 by changing the saturation by 10% instead.




 56.7701, 0.2929,  
0.3842

 56.7701, 0.2929,  
0.3842


412.5873, 0.3030,  
0.3565

 40.8207, 0.2903,  
0.3911


 100.1297, 0.2966,  
0.3741

 28.1790, 0.2870,  
0.4001


 128.3086, 0.2980,  
0.3703

 18.4606, 0.2826,  
0.4120


161.3328, 0.2991,  
0.3671

 11.2812, 0.2763,  
0.4286

199.5868, 0.3001,  
0.3644

 6.2563, 0.2667,  
0.4535

243.4548, 0.3010,  
0.3620

 3.0016, 0.2507,  
0.4942

293.3213, 0.3017,

 1.1325, 0.1975,

0.3599

0.6555

349.5706, 0.3024,  
0.3581

■ 0.0055, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.7701, 0.2929,  
0.3842

■ 56.7701, 0.2929,  
0.3842

■ 54.4980, 0.2874,  
0.4058

■ 59.4621, 0.2990,  
0.3643

■ 52.6172, 0.2830,  
0.4290

■ 62.5870, 0.3055,  
0.3464

■ 51.1064, 0.2798,  
0.4530


■ 66.1658, 0.3121,  
0.3304

■ 49.9393, 0.2782,  
0.4773


■ 70.2162, 0.3187,  
0.3163

 49.0858, 0.2784,  
0.5009

 74.7547, 0.3251,  
0.3039

 48.5107, 0.2805,  
0.5228

 75.8383, 0.3170,  
0.2914

 48.1753, 0.2835,  
0.5405

 76.0665, 0.3146,  
0.2881

# Harmonies

## Analogous

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



56.7701, 0.3349, 0.4043



56.7701, 0.2929, 0.3842



56.7701, 0.2578, 0.3460

# Triad

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



56.7701, 0.2929, 0.3842



56.7701, 0.2534, 0.2613



56.7701, 0.3939, 0.3440

# Complementary

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



56.7701, 0.2929, 0.3842



38.6577, 0.3398, 0.2797

# 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.



56.7701, 0.3692, 0.3101



56.7701, 0.2929, 0.3842



56.7701, 0.2865, 0.2642

# Square

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



56.7701, 0.2929, 0.3842



56.7701, 0.2364, 0.2751



56.7701, 0.3289, 0.2818



56.7701, 0.3948, 0.3767



# Rectangle

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



56.7701, 0.2929, 0.3842



56.7701, 0.2425, 0.3181



56.7701, 0.3289, 0.2818



56.7701, 0.3881, 0.3324

# Sweetspot

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



56.7725, 0.2929, 0.3842



95.0195, 0.3067, 0.3433



60.4893, 0.3398, 0.4111



20.1773, 0.3057, 0.3457



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

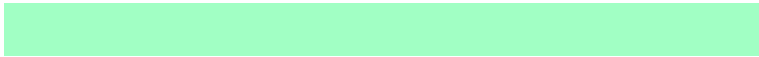


# Same Dimension

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



56.7725, 0.2929, 0.3842



83.0633, 0.2893, 0.3979



58.1627, 0.2735, 0.3403



13.9730, 0.3065, 0.3438



29.4472, 0.2827, 0.5379



1.7920, 0.2729, 0.5025



# Inverse Universe

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



38.6577, 0.3398, 0.2797



51.7566, 0.3473, 0.2693



37.4205, 0.3731, 0.3183



12.5493, 0.3195, 0.3146



9.6851, 0.4445, 0.2222



0.6000, 0.4175, 0.2074



# Previews

## White Background



This preview shows how the Yxy color 56.7701, 0.2929, 0.3842 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 56.7701, 0.2929, 0.3842 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

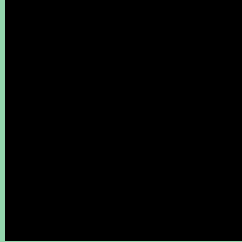
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

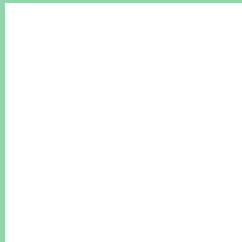
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.7701, 0.2929, 0.3842**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.7701, 0.2929, 0.3842.



This preview shows how white text looks on a background with the Yxy color 56.7701, 0.2929, 0.3842.

# 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

56.7701, 0.2929, 0.3842

### Protanopia

56.1682, 0.3477, 0.3688

### Deuteranopia

56.2832, 0.3515, 0.3452



## Tritanopia

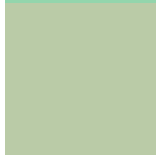
56.6384, 0.2678, 0.3077

# Trichromacy



## Original Color

56.7701, 0.2929, 0.3842



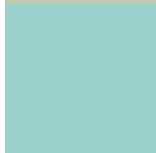
## Protanomaly

55.9410, 0.3254, 0.3746



## Deuteranomaly

55.6778, 0.3281, 0.3587



## Tritanomaly

56.7329, 0.2768, 0.3353

# Monochromacy



## Original Color

56.7701, 0.2929, 0.3842



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

52.8057, 0.3048, 0.3484

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.7701, 0.2929, 0.3842 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, 213, 172)` looks like.

```
.text, #text, p{  
    color:rgb(147, 213, 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(147, 213, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 213, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 56.7701, 0.2929, 0.3842 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, 213, 172) }
```

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

```
.border{ border-color:rgb(147, 213, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 213, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 213, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 213, 172);  
box-shadow:4px 4px 4px 4px rgb(147, 213,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.7701, 0.2929, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 213, 172) }
```

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

```
.background{ background-color: rgb(147,  
213, 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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