

Converting Colors

$Yxy(56.8308, 0.2957, 0.3740)$

Have a look what the booklet for
Yxy(56.8308, 0.2957, 0.3740)
contains.

Yxy(56.8308, 0.2957, 0.3740)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.8308, 0.2957, 0.3740)

Conversions

Conversions Part 1

Format	Color
Hex	9CD3B1
RGB	156, 211, 177
RGB Percent	61%, 83%, 69%
CMY	0.3884, 0.1725, 0.3059
CMYK	0.26, 0.00, 0.16, 0.17
HSL	143°, 38%, 72%
HSV	143°, 26%, 83%
XYZ	44.9328, 56.8308, 50.1904
YIQ	190.6790, -21.8660, -22.2340

Conversions

Conversions Part 2

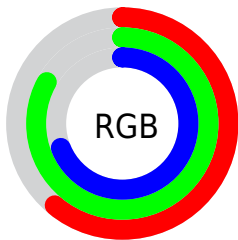
Format	Color
RYB	156, 196, 211
Decimal	10277809
CIELab	80.08, -24.65, 11.17
CIELCh	80, 27.064, 155.631
Yxy	56.8308, 0.2957, 0.3740
Android (android.graphics.Color)	4288467889 (0xFF9CD3B1)
YUV	190.6790, -6.7437, -30.4135
Hunter-Lab	75.3862, -25.5337, 13.2964

Details

The Yxy color **56.8308, 0.2957, 0.3740** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.3296, 0.3347, 0.2880**, and the grayscale version is **51.9497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2521, 0.2983, 0.3520**, and **28.1157, 0.2908, 0.3872** is the 20% darker color. If you saturate the color by 10%, you get **54.4131, 0.2899, 0.3947**, and if you desaturate by 10%, it is **59.6686, 0.3021, 0.3552**.

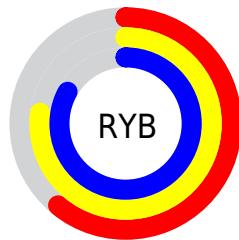
Distribution



Red (61%)

Green (83%)

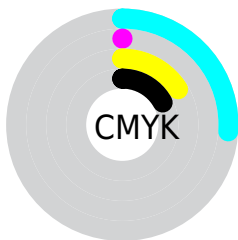
Blue (69%)



Red (61%)

Yellow (77%)

Blue (83%)

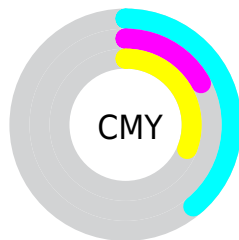


Cyan (26%)

Magenta (0%)

Yellow (16%)

Black (17%)



Cyan (39%)


Magenta (17%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8308, 0.2957, 0.3740 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 56.8308, 0.2957, 0.3740 by changing the saturation by 10% instead.


 56.8308, 0.2957,
0.3740


 56.8308, 0.2957,
0.3740


412.8150, 0.3043,
0.3515

 40.8694, 0.2935,
0.3796


 100.2183, 0.2988,
0.3659

 28.2171, 0.2908,
0.3868


 128.4131, 0.3000,
0.3628

 18.4893, 0.2871,
0.3963


161.4546, 0.3010,
0.3602

 11.3019, 0.2819,
0.4095

199.7271, 0.3018,
0.3580

 6.2703, 0.2741,
0.4292

243.6150, 0.3026,
0.3560

 3.0101, 0.2613,
0.4613

293.5027, 0.3032,

 1.1370, 0.2261,

0.3544

0.5598

349.7745, 0.3038,
0.3529

0.0093, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.8308, 0.2957,
0.3740

56.8308, 0.2957,
0.3740

54.4131, 0.2899,
0.3947

59.6686, 0.3021,
0.3552

52.3881, 0.2848,
0.4170

62.9382, 0.3087,
0.3383

50.7360, 0.2809,
0.4405

66.6596, 0.3153,
0.3234

49.4326, 0.2785,
0.4647

70.8497, 0.3219,
0.3102

■ 48.4506, 0.2778,
0.4886

■ 74.2779, 0.3235,
0.2982

■ 47.7582, 0.2790,
0.5113

■ 75.0758, 0.3147,
0.2861

■ 47.3163, 0.2819,
0.5320

■ 47.1842, 0.2832,
0.5395

Harmonies

Analogous

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



56.8308, 0.3310, 0.3912



56.8308, 0.2957, 0.3740



56.8308, 0.2661, 0.3426

Triad

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



56.8308, 0.2957, 0.3740



56.8308, 0.2633, 0.2718



56.8308, 0.3806, 0.3429

Complementary

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



56.8308, 0.2957, 0.3740



41.3296, 0.3347, 0.2880

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.



56.8308, 0.3605, 0.3139



56.8308, 0.2957, 0.3740



56.8308, 0.2916, 0.2743

Square

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



56.8308, 0.2957, 0.3740



56.8308, 0.2483, 0.2836



56.8308, 0.3272, 0.2895



56.8308, 0.3811, 0.3702

Rectangle

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



56.8308, 0.2957, 0.3740



56.8308, 0.2532, 0.3196



56.8308, 0.3272, 0.2895



56.8308, 0.3759, 0.3331

Sweetspot

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



56.8332, 0.2957, 0.3740



95.5487, 0.3073, 0.3415



60.0484, 0.3357, 0.3973



20.2830, 0.3063, 0.3440



0.0000, 0.0000, 0.0000



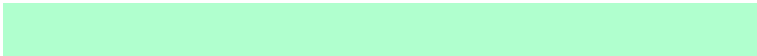
21.4041, 0.3127, 0.3290

Same Dimension

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



56.8332, 0.2957, 0.3740



85.2079, 0.2926, 0.3846



58.0032, 0.2791, 0.3383



13.2800, 0.3065, 0.3437



28.4898, 0.2824, 0.5367



1.6083, 0.2719, 0.4990

Inverse Universe

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



41.3296, 0.3347, 0.2880



57.7163, 0.3404, 0.2794



40.2678, 0.3607, 0.3200



11.9293, 0.3195, 0.3147



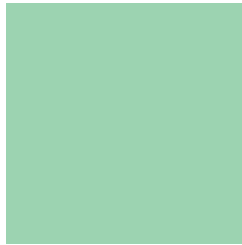
9.3573, 0.4457, 0.2229



0.5384, 0.4168, 0.2070

Previews

White Background



This preview shows how the Yxy color 56.8308, 0.2957, 0.3740 looks on a white background.

Color Contrast Check

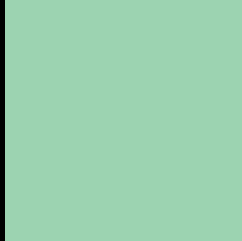
Large Text (above 18pt) WCAG AA × Fail

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 56.8308, 0.2957, 0.3740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

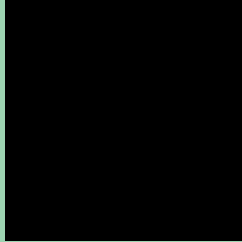
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8308, 0.2957, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 56.8308, 0.2957, 0.3740.

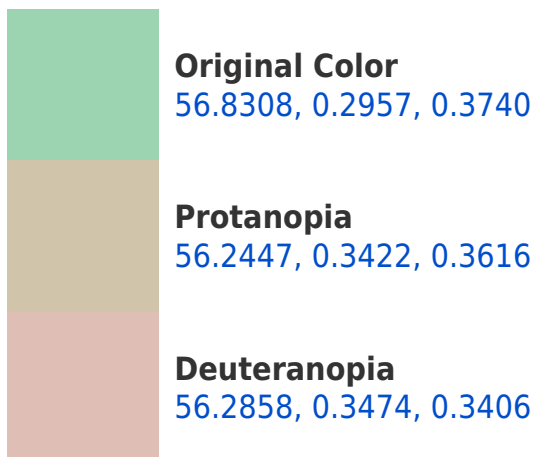


This preview shows how white text looks on a background with the Yxy color 56.8308, 0.2957, 0.3740.

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





Tritanopia

56.7756, 0.2732, 0.3091

Trichromacy



Original Color

56.8308, 0.2957, 0.3740

Protanomaly

56.0770, 0.3235, 0.3654

Deuteranomaly

55.8256, 0.3269, 0.3510

Tritanomaly

56.6105, 0.2812, 0.3315

Monochromacy



Original Color

56.8308, 0.2957, 0.3740

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.3983, 0.3058, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8308, 0.2957, 0.3740 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(156, 211, 177)` looks like.

```
.text, #text, p{  
    color:rgb(156, 211, 177)  
}
```

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(156, 211, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 211, 177) }
```

Border

The CSS property to change the border of an element to Yxy 56.8308, 0.2957, 0.3740 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(156, 211, 177) }
```

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

```
.border{ border-color:rgb(156, 211, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 211, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 211, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 211, 177); box-shadow:4px 4px 4px 4px rgb(156, 211, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8308, 0.2957, 0.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 211, 177) }
```

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

```
.background{ background-color: rgb(156,  
211, 177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor