

Converting Colors

Yxy(56.0812, 0.2918, 0.3633)

Have a look what the booklet for
Yxy(56.0812, 0.2918, 0.3633)
contains.

Yxy(56.0877, 0.2918, 0.3633)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.0877, 0.2918, 0.3633)

Conversions

Conversions Part 1

Format	Color
Hex	9CD1B7
RGB	156, 209, 183
RGB Percent	61%, 82%, 72%
CMY	0.3884, 0.1803, 0.2824
CMYK	0.25, 0.00, 0.12, 0.18
HSL	151°, 37%, 72%
HSV	151°, 25%, 82%
XYZ	45.0492, 56.0877, 53.2470
YIQ	190.1890, -23.2420, -19.3220

Conversions

Conversions Part 2

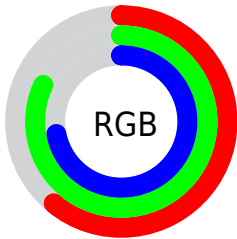
Format	Color
RYB	156, 191, 209
Decimal	10277303
CIELab	79.66, -22.50, 7.37
CIELCh	80, 23.679, 161.873
Yxy	56.0877, 0.2918, 0.3633
Android (android.graphics.Color)	4288467383 (0xFF9CD1B7)
YUV	190.1890, -3.5442, -29.9838
Hunter-Lab	74.8917, -23.6883, 10.2698

Details

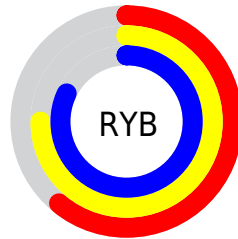
The Yxy color **56.0877, 0.2918, 0.3633** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.6924, 0.3404, 0.2971**, and the grayscale version is **51.6327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6009, 0.2951, 0.3456**, and **27.6065, 0.2857, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **53.7707, 0.2845, 0.3793**, and if you desaturate by 10%, it is **58.7992, 0.2998, 0.3487**.

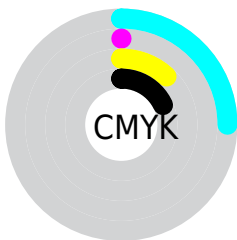
Distribution



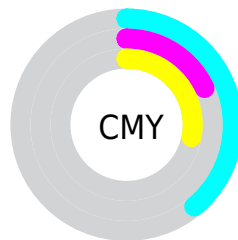
- Red (61%)
- Green (82%)
- Blue (72%)



- Red (61%)
- Yellow (75%)
- Blue (82%)



- Cyan (25%)
- Magenta (0%)
- Yellow (12%)
- Black (18%)



- Cyan (39%)
- Magenta (18%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0877, 0.2918, 0.3633 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 56.0877, 0.2918, 0.3633 by changing the saturation by 10% instead.


 56.0877, 0.2918,
0.3633


 56.0877, 0.2918,
0.3633


410.0219, 0.3021,
0.3463

 40.2732, 0.2893,
0.3675

 99.1328, 0.2955,
0.3571

 27.7517, 0.2860,
0.3729


 127.1322, 0.2969,
0.3548

 18.1385, 0.2817,
0.3801


159.9621, 0.2981,
0.3529

 11.0495, 0.2759,
0.3900

198.0068, 0.2992,
0.3512

 6.1001, 0.2672,
0.4047

241.6507, 0.3000,
0.3497

 2.9061, 0.2533,
0.4285

291.2783, 0.3008,

 1.0829, 0.2125,

0.3484

0.4922

347.2739, 0.3015,
0.3473

0.0000, 0.0000,
0.0000

56.0877, 0.2918,
0.3633

56.0877, 0.2918,
0.3633

53.7707, 0.2845,
0.3793

58.7992, 0.2998,
0.3487

51.8222, 0.2781,
0.3966

61.9158, 0.3081,
0.3355

50.2237, 0.2729,
0.4150

65.4566, 0.3166,
0.3238

48.9526, 0.2694,
0.4341

69.4371, 0.3251,
0.3133

47.9832, 0.2678,
0.4534

72.8231, 0.3293,
0.3038

■ 47.2858, 0.2681,
0.4724

■ 73.4302, 0.3221,
0.2940

■ 46.8243, 0.2705,
0.4907

■ 74.0719, 0.3150,
0.2844

■ 46.6605, 0.2719,
0.4988

■ 74.0889, 0.3148,
0.2841

Harmonies

Analogous

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



56.0877, 0.3225, 0.3815



56.0877, 0.2918, 0.3633



56.0877, 0.2675, 0.3348

Triad

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



56.0877, 0.2918, 0.3633



56.0877, 0.2735, 0.2778



56.0877, 0.3739, 0.3469

Complementary

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



56.0877, 0.2918, 0.3633



40.6924, 0.3404, 0.2971

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.



56.0877, 0.3595, 0.3210



56.0877, 0.2918, 0.3633



56.0877, 0.3005, 0.2824

Square

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



56.0877, 0.2918, 0.3633



56.0877, 0.2574, 0.2858



56.0877, 0.3322, 0.2980



56.0877, 0.3707, 0.3699

Rectangle

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



56.0877, 0.2918, 0.3633



56.0877, 0.2578, 0.3151



56.0877, 0.3322, 0.2980



56.0877, 0.3709, 0.3383

Sweetspot

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



56.0900, 0.2918, 0.3633



95.7066, 0.3059, 0.3389



58.0111, 0.3295, 0.3965



20.3227, 0.3046, 0.3409



0.0000, 0.0000, 0.0000



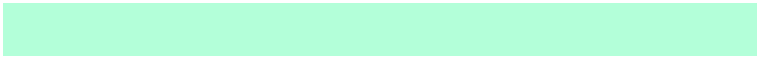
21.4041, 0.3127, 0.3290

Same Dimension

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



56.0900, 0.2918, 0.3633



86.0795, 0.2881, 0.3711



57.2757, 0.2757, 0.3289



13.3054, 0.3048, 0.3406



28.7844, 0.2712, 0.4963



1.6255, 0.2620, 0.4631

Inverse Universe

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



40.6924, 0.3404, 0.2971



58.2586, 0.3475, 0.2906



39.7148, 0.3661, 0.3292



11.9035, 0.3215, 0.3177



8.9750, 0.4985, 0.2520



0.5178, 0.4573, 0.2293

Previews

White Background



This preview shows how the Yxy color 56.0877, 0.2918, 0.3633 looks on a white background.

Color Contrast Check

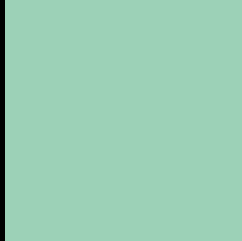
Large Text (above 18pt) WCAG AA × Fail

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 56.0877, 0.2918, 0.3633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

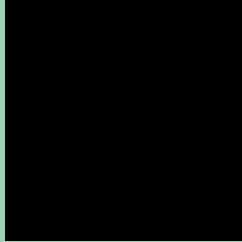
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

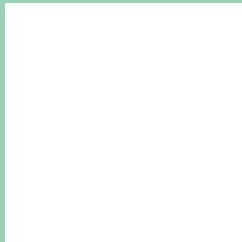
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.0877, 0.2918, 0.3633

Background



This preview shows how black text looks on a background with the Yxy color 56.0877, 0.2918, 0.3633.



This preview shows how white text looks on a background with the Yxy color 56.0877, 0.2918, 0.3633.

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

56.0877, 0.2918, 0.3633

Protanopia

55.5936, 0.3352, 0.3533

Deuteranopia

55.4748, 0.3393, 0.3326



Tritanopia

56.1396, 0.2731, 0.3090

Trichromacy



Original Color

56.0877, 0.2918, 0.3633

Protanomaly

55.5928, 0.3177, 0.3566

Deuteranomaly

55.2134, 0.3201, 0.3425

Tritanomaly

56.1212, 0.2792, 0.3276

Monochromacy



Original Color

56.0877, 0.2918, 0.3633

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.9853, 0.3051, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0877, 0.2918, 0.3633 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, 209, 183)` looks like.

```
.text, #text, p{  
    color:rgb(156, 209, 183)  
}
```

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, 209, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 209, 183) }
```

Border

The CSS property to change the border of an element to Yxy 56.0877, 0.2918, 0.3633 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, 209, 183) }
```

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

```
.border{ border-color:rgb(156, 209, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 209, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 209, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 209, 183);  
box-shadow:4px 4px 4px 4px rgb(156, 209,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0877, 0.2918, 0.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 209, 183) }
```

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

```
.background{ background-color: rgb(156,  
209, 183) }
```

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