

Converting Colors

$Yxy(58.7099, 0.2808, 0.3462)$

Have a look what the booklet for
Yxy(58.7099, 0.2808, 0.3462)
contains.

Yxy(58.6287, 0.2803, 0.3456)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.6287, 0.2803, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	9AD5C8
RGB	154, 213, 200
RGB Percent	60%, 84%, 78%
CMY	0.3960, 0.1647, 0.2156
CMYK	0.28, 0.00, 0.06, 0.16
HSL	167°, 41%, 72%
HSV	167°, 28%, 84%
XYZ	47.5510, 58.6287, 63.4635
YIQ	193.8770, -30.9910, -16.5510

Conversions

Conversions Part 2

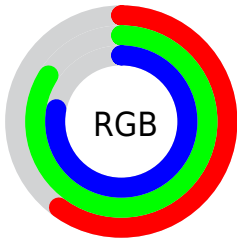
Format	Color
RYB	154, 187, 213
Decimal	10147272
CIELab	81.09, -21.55, 0.33
CIELCh	81, 21.554, 179.131
Yxy	58.6287, 0.2803, 0.3456
Android (android.graphics.Color)	4288337352 (0xFF9AD5C8)
YUV	193.8770, 3.0186, -34.9721
Hunter-Lab	76.5694, -23.1446, 4.4568

Details

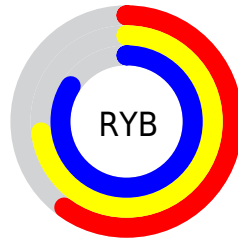
The Yxy color **58.6287, 0.2803, 0.3456** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.0563, 0.3595, 0.3132**, and the grayscale version is **53.8726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **29.2957, 0.2721, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **56.5069, 0.2702, 0.3526**, and if you desaturate by 10%, it is **61.1329, 0.2914, 0.3391**.

Distribution



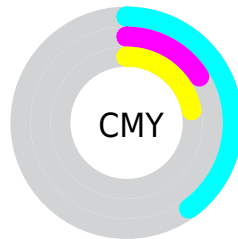
- Red (60%)
- Green (84%)
- Blue (78%)



- Red (60%)
- Yellow (73%)
- Blue (84%)



- Cyan (28%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)





- Cyan (40%)
- Magenta (16%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6287, 0.2803, 0.3456 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 58.6287, 0.2803, 0.3456 by changing the saturation by 10% instead.

 58.6287, 0.2803,
0.3456


 58.6287, 0.2803,
0.3456


419.5245, 0.2959,
0.3376

 42.3143, 0.2766,
0.3475


 102.8378, 0.2858,
0.3428

 29.3475, 0.2720,
0.3499


 131.5013, 0.2879,
0.3417

 19.3438, 0.2659,
0.3530


165.0500, 0.2897,
0.3408

 11.9190, 0.2578,
0.3571

203.8682, 0.2913,
0.3400

 6.6885, 0.2464,
0.3631

248.3404, 0.2926,
0.3393

 3.2681, 0.2290,
0.3721

298.8509, 0.2938,

 1.2732, 0.1958,

0.3387

355.7842, 0.2949,
0.3381

0.3892

0.1203, 0.0000,
0.5266

0.0000, 0.0000,
0.0000

58.6287, 0.2803,
0.3456

58.6287, 0.2803,
0.3456

56.5069, 0.2702,
0.3526

61.1329, 0.2914,
0.3391

54.7405, 0.2615,
0.3600

64.0305, 0.3033,
0.3332

53.3107, 0.2544,
0.3677

67.3408, 0.3156,
0.3278

52.1934, 0.2491,
0.3757

71.0800, 0.3282,
0.3230

■ 51.3618, 0.2458,
0.3839

■ 74.2000, 0.3366,
0.3185

■ 50.7843, 0.2444,
0.3920

■ 74.4571, 0.3333,
0.3139

■ 50.4166, 0.2448,
0.4000

■ 74.7213, 0.3299,
0.3092

■ 50.3448, 0.2450,
0.4019

■ 74.9926, 0.3266,
0.3047

■ 75.2711, 0.3233,
0.3001

Harmonies

Analogous

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



58.6287, 0.3055, 0.3681



58.6287, 0.2803, 0.3456



58.6287, 0.2641, 0.3190

Triad

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



58.6287, 0.2803, 0.3456



58.6287, 0.2906, 0.2839



58.6287, 0.3679, 0.3579

Complementary

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



58.6287, 0.2803, 0.3456



40.0563, 0.3595, 0.3132

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.



58.6287, 0.3638, 0.3354



58.6287, 0.2803, 0.3456



58.6287, 0.3182, 0.2940

Square

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



58.6287, 0.2803, 0.3456



58.6287, 0.2698, 0.2846



58.6287, 0.3453, 0.3125



58.6287, 0.3564, 0.3741

Rectangle

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



58.6287, 0.2803, 0.3456



58.6287, 0.2602, 0.3034



58.6287, 0.3453, 0.3125



58.6287, 0.3683, 0.3508

Sweetspot

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



58.6311, 0.2803, 0.3456



96.0483, 0.3028, 0.3334



58.2229, 0.3190, 0.4061



20.4090, 0.3009, 0.3343



0.0000, 0.0000, 0.0000



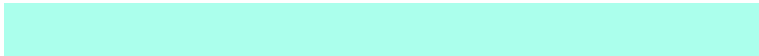
21.4041, 0.3127, 0.3290

Same Dimension

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



58.6311, 0.2803, 0.3456



86.2450, 0.2745, 0.3495



51.7330, 0.2706, 0.3086



14.0589, 0.3012, 0.3342



30.7694, 0.2447, 0.4007



1.8677, 0.2408, 0.3868

Inverse Universe

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



40.0563, 0.3595, 0.3132



54.0195, 0.3728, 0.3098



45.1366, 0.3675, 0.3485



12.4651, 0.3257, 0.3239



8.7785, 0.6007, 0.3083



0.5421, 0.5515, 0.2812

Previews

White Background



This preview shows how the Yxy color 58.6287, 0.2803, 0.3456 looks on a white background.

Color Contrast Check

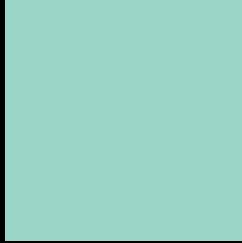
Large Text (above 18pt) WCAG AA × Fail

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 58.6287, 0.2803, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

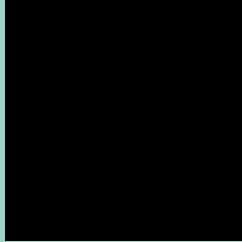
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

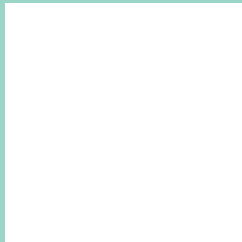
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.6287, 0.2803, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 58.6287, 0.2803, 0.3456.

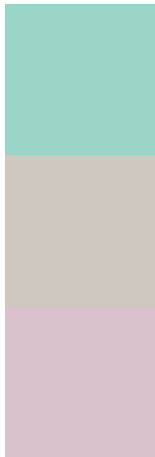


This preview shows how white text looks on a background with the Yxy color 58.6287, 0.2803, 0.3456.

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

58.6287, 0.2803, 0.3456

Protanopia

58.2806, 0.3226, 0.3373

Deuteranopia

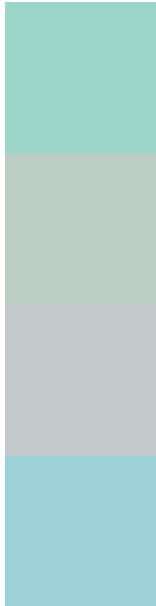
57.8486, 0.3245, 0.3176



Tritanopia

58.5655, 0.2683, 0.3080

Trichromacy



Original Color

58.6287, 0.2803, 0.3456

Protanomaly

58.2130, 0.3054, 0.3400

Deuteranomaly

57.6872, 0.3067, 0.3266

Tritanomaly

58.3720, 0.2724, 0.3201

Monochromacy



Original Color

58.6287, 0.2803, 0.3456

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

55.3425, 0.2995, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6287, 0.2803, 0.3456 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(154, 213, 200)` looks like.

```
.text, #text, p{  
    color:rgb(154, 213, 200)  
}
```

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(154, 213, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 213, 200) }
```

Border

The CSS property to change the border of an element to Yxy 58.6287, 0.2803, 0.3456 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(154, 213, 200) }
```

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

```
.border{ border-color:rgb(154, 213, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 213, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 213, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 213, 200);  
box-shadow:4px 4px 4px 4px rgb(154, 213,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6287, 0.2803, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 213, 200) }
```

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

```
.background{ background-color: rgb(154,  
213, 200) }
```

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