

Converting Colors

$Yxy(56.6688, 0.2761, 0.3440)$

Have a look what the booklet for
Yxy(56.6688, 0.2761, 0.3440)
contains.

Yxy(56.9151, 0.2763, 0.3446)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.9151, 0.2763, 0.3446)

Conversions

Conversions Part 1

Format	Color
Hex	93D3C7
RGB	147, 211, 199
RGB Percent	58%, 83%, 78%
CMY	0.4236, 0.1725, 0.2196
CMYK	0.30, 0.00, 0.06, 0.17
HSL	169°, 42%, 70%
HSV	169°, 30%, 83%
XYZ	45.6345, 56.9151, 62.6132
YIQ	190.4960, -34.2920, -17.3000

Conversions

Conversions Part 2

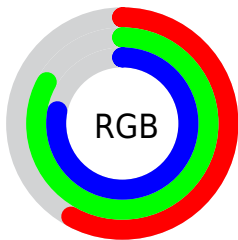
Format	Color
RYB	147, 182, 211
Decimal	9688007
CIELab	80.13, -22.84, -0.57
CIELCh	80, 22.848, 181.431
Yxy	56.9151, 0.2763, 0.3446
Android (android.graphics.Color)	4287878087 (0xFF93D3C7)
YUV	190.4960, 4.1925, -38.1460
Hunter-Lab	75.4421, -24.0501, 3.6017

Details

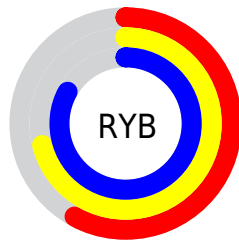
The Yxy color **56.9151, 0.2763, 0.3446** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.2183, 0.3677, 0.3142**, and the grayscale version is **51.7840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **28.2010, 0.2672, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **54.9610, 0.2663, 0.3506**, and if you desaturate by 10%, it is **59.2364, 0.2875, 0.3390**.

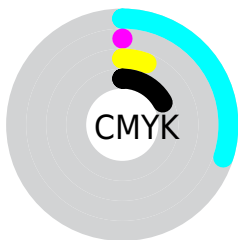
Distribution



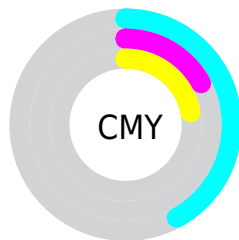
- Red (58%)
- Green (83%)
- Blue (78%)



- Red (58%)
- Yellow (71%)
- Blue (83%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (17%)





- Cyan (42%)
- Magenta (17%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9151, 0.2763, 0.3446 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 56.9151, 0.2763, 0.3446 by changing the saturation by 10% instead.


 56.9151, 0.2763,
0.3446


 56.9151, 0.2763,
0.3446


413.1311, 0.2938,
0.3371

 40.9371, 0.2721,
0.3464


 100.3413, 0.2825,
0.3420

 28.2699, 0.2669,
0.3486


 128.5583, 0.2849,
0.3409

 18.5292, 0.2600,
0.3515


161.6237, 0.2869,
0.3401

 11.3306, 0.2508,
0.3554

199.9219, 0.2887,
0.3393

 6.2897, 0.2378,
0.3608

243.8374, 0.2902,
0.3387

 3.0220, 0.2180,
0.3691

293.7545, 0.2916,

 1.1432, 0.1727,

0.3381

0.3883

350.0576, 0.2928,
0.3376

0.0146, 0.0000,
0.2073

0.0000, 0.0000,
0.0000

56.9151, 0.2763,
0.3446

56.9151, 0.2763,
0.3446

54.9610, 0.2663,
0.3506

59.2364, 0.2875,
0.3390

53.3475, 0.2577,
0.3569

61.9360, 0.2996,
0.3338

52.0554, 0.2507,
0.3635

65.0332, 0.3123,
0.3292

51.0608, 0.2457,
0.3702

68.5438, 0.3253,
0.3249

■ 50.3364, 0.2426,
0.3771

■ 72.4829, 0.3384,
0.3212

■ 49.8496, 0.2414,
0.3839

■ 73.1653, 0.3374,
0.3172

■ 49.5483, 0.2418,
0.3904

■ 73.3809, 0.3345,
0.3133

■ 73.6016, 0.3317,
0.3094

■ 73.8273, 0.3289,
0.3055

Harmonies

Analogous

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



56.9151, 0.3026, 0.3695



56.9151, 0.2763, 0.3446



56.9151, 0.2600, 0.3161

Triad

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



56.9151, 0.2763, 0.3446



56.9151, 0.2911, 0.2813



56.9151, 0.3714, 0.3614

Complementary

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



56.9151, 0.2763, 0.3446



37.2183, 0.3677, 0.3142

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.



56.9151, 0.3684, 0.3377



56.9151, 0.2763, 0.3446



56.9151, 0.3208, 0.2929

Square

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



56.9151, 0.2763, 0.3446



56.9151, 0.2682, 0.2810



56.9151, 0.3495, 0.3131



56.9151, 0.3579, 0.3782

Rectangle

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



56.9151, 0.2763, 0.3446



56.9151, 0.2565, 0.2998



56.9151, 0.3495, 0.3131



56.9151, 0.3723, 0.3540

Sweetspot

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



56.9174, 0.2763, 0.3446



95.6301, 0.3011, 0.3332



56.1503, 0.3179, 0.4149



20.3279, 0.2993, 0.3340



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.



56.9174, 0.2763, 0.3446



85.4880, 0.2701, 0.3482



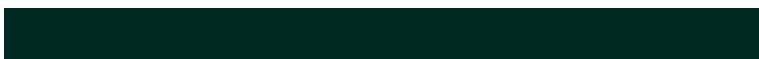
48.5183, 0.2664, 0.3035



13.3675, 0.3008, 0.3334



29.9148, 0.2415, 0.3893



1.6827, 0.2381, 0.3770

Inverse Universe

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



37.2183, 0.3677, 0.3142



50.8377, 0.3834, 0.3111



43.3003, 0.3735, 0.3530



11.8439, 0.3261, 0.3247



8.4597, 0.6093, 0.3130



0.4841, 0.5593, 0.2855

Previews

White Background



This preview shows how the Yxy color 56.9151, 0.2763, 0.3446 looks on a white background.

Color Contrast Check

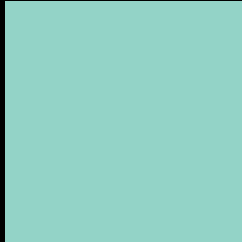
Large Text (above 18pt) WCAG AA × Fail

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 56.9151, 0.2763, 0.3446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

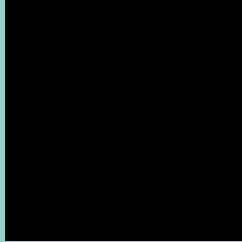
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

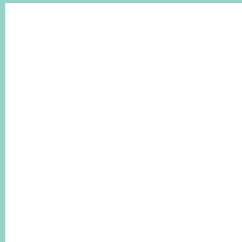
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.9151, 0.2763, 0.3446

Background



This preview shows how black text looks on a background with the Yxy color 56.9151, 0.2763, 0.3446.

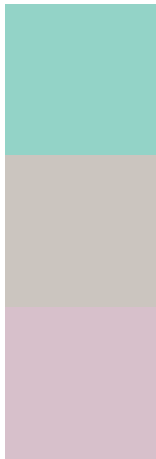


This preview shows how white text looks on a background with the Yxy color 56.9151, 0.2763, 0.3446.

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

56.9151, 0.2763, 0.3446

Protanopia

56.3906, 0.3220, 0.3362

Deuteranopia

56.4581, 0.3230, 0.3163



Tritanopia

56.7798, 0.2649, 0.3076

Trichromacy



Original Color

56.9151, 0.2763, 0.3446

Protanomaly

56.2034, 0.3039, 0.3389

Deuteranomaly

56.0583, 0.3036, 0.3253

Tritanomaly

56.5974, 0.2690, 0.3200

Monochromacy



Original Color

56.9151, 0.2763, 0.3446

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

53.2371, 0.2978, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9151, 0.2763, 0.3446 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, 211, 199)` looks like.

```
.text, #text, p{  
    color:rgb(147, 211, 199)  
}
```

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, 211, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 211, 199) }
```

Border

The CSS property to change the border of an element to Yxy 56.9151, 0.2763, 0.3446 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, 211, 199) }
```

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

```
.border{ border-color:rgb(147, 211, 199) }
```

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

Here you see how a box with a 4 pixel rgb(147, 211, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 211, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 211, 199);  
box-shadow:4px 4px 4px 4px rgb(147, 211,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9151, 0.2763, 0.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 211, 199) }
```

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

```
.background{ background-color: rgb(147,  
211, 199) }
```

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