

Converting Colors

Yxy(56.6605, 0.2816, 0.3599)

Have a look what the booklet for
Yxy(56.6605, 0.2816, 0.3599)
contains.

Yxy(56.7375, 0.2817, 0.3609)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.7375, 0.2817, 0.3609)

Conversions

Conversions Part 1

Format	Color
Hex	91D4BC
RGB	145, 212, 188
RGB Percent	57%, 83%, 74%
CMY	0.4317, 0.1686, 0.2628
CMYK	0.32, 0.00, 0.11, 0.17
HSL	159°, 44%, 70%
HSV	159°, 32%, 83%
XYZ	44.2864, 56.7375, 56.1873
YIQ	189.2310, -32.2280, -21.6680

Conversions

Conversions Part 2

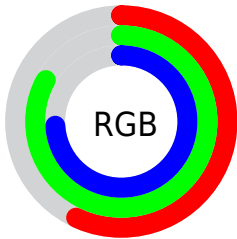
Format	Color
RYB	145, 186, 212
Decimal	9557180
CIELab	80.03, -26.30, 5.15
CIELCh	80, 26.803, 168.916
Yxy	56.7375, 0.2817, 0.3609
Android (android.graphics.Color)	4287747260 (0xFF91D4BC)
YUV	189.2310, -0.6069, -38.7906
Hunter-Lab	75.3243, -26.8697, 8.5003

Details

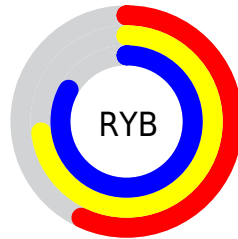
The Yxy color **56.7375, 0.2817, 0.3609** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.0905, 0.3587, 0.2995**, and the grayscale version is **51.0371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4692, 0.2867, 0.3405**, and **28.1385, 0.2734, 0.3691** is the 20% darker color. If you saturate the color by 10%, you get **54.6724, 0.2735, 0.3729**, and if you desaturate by 10%, it is **59.1838, 0.2909, 0.3498**.

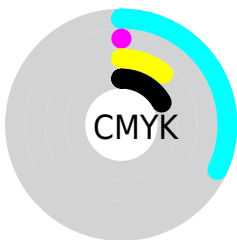
Distribution



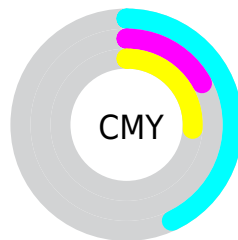
- Red (57%)
- Green (83%)
- Blue (74%)



- Red (57%)
- Yellow (73%)
- Blue (83%)



- Cyan (32%)
- Magenta (0%)
- Yellow (11%)
- Black (17%)




- Cyan (43%)
- Magenta (17%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7375, 0.2817, 0.3609 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 56.7375, 0.2817, 0.3609 by changing the saturation by 10% instead.


 56.7375, 0.2817,
0.3609

 56.7375, 0.2817,
0.3609

412.4650, 0.2968,
0.3452

 40.7945, 0.2780,
0.3648


 100.0821, 0.2871,
0.3552

 28.1586, 0.2734,
0.3697


 128.2524, 0.2892,
0.3531

 18.4452, 0.2673,
0.3762


161.2674, 0.2909,
0.3513

 11.2701, 0.2590,
0.3852

199.5114, 0.2924,
0.3497

 6.2488, 0.2471,
0.3983

243.3687, 0.2937,
0.3483

 2.9970, 0.2284,
0.4194

293.2238, 0.2949,

 1.1301, 0.1728,

0.3472

0.4724

349.4611, 0.2959,
0.3461

0.0035, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.7375, 0.2817,
0.3609

56.7375, 0.2817,
0.3609

54.6724, 0.2735,
0.3729

59.1838, 0.2909,
0.3498

52.9613, 0.2666,
0.3857

62.0230, 0.3007,
0.3396

51.5842, 0.2614,
0.3991

65.2750, 0.3110,
0.3304

50.5163, 0.2580,
0.4129

68.9563, 0.3215,
0.3222

■ 49.7290, 0.2565,
0.4268

■ 73.0821, 0.3319,
0.3149

■ 49.1883, 0.2571,
0.4406

■ 74.2712, 0.3295,
0.3076

■ 48.8765, 0.2589,
0.4519

■ 74.7160, 0.3242,
0.3002

■ 75.1797, 0.3189,
0.2929

■ 75.5766, 0.3147,
0.2871

Harmonies

Analogous

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



56.7375, 0.3152, 0.3854



56.7375, 0.2817, 0.3609



56.7375, 0.2573, 0.3273

Triad

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



56.7375, 0.2817, 0.3609



56.7375, 0.2748, 0.2717



56.7375, 0.3827, 0.3554

Complementary

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



56.7375, 0.2817, 0.3609



37.0905, 0.3587, 0.2995

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.



56.7375, 0.3710, 0.3266



56.7375, 0.2817, 0.3609



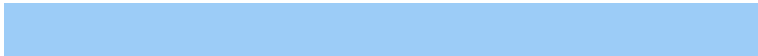
56.7375, 0.3071, 0.2800

Square

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



56.7375, 0.2817, 0.3609



56.7375, 0.2536, 0.2770



56.7375, 0.3426, 0.2997



56.7375, 0.3744, 0.3796

Rectangle

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



56.7375, 0.2817, 0.3609



56.7375, 0.2489, 0.3058



56.7375, 0.3426, 0.2997



56.7375, 0.3810, 0.3459

Sweetspot

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



56.7398, 0.2817, 0.3609



95.3860, 0.3033, 0.3372



57.6319, 0.3264, 0.4168



20.2675, 0.3018, 0.3386



0.0000, 0.0000, 0.0000



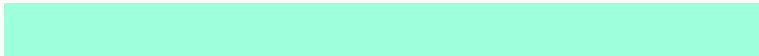
21.4041, 0.3127, 0.3290

Same Dimension

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



56.7398, 0.2817, 0.3609



83.9822, 0.2760, 0.3689



53.5138, 0.2663, 0.3172



14.0288, 0.3030, 0.3375



30.1876, 0.2583, 0.4500



1.8363, 0.2518, 0.4265

Inverse Universe

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



37.0905, 0.3587, 0.2995



49.5894, 0.3727, 0.2930



39.1103, 0.3812, 0.3404



12.4936, 0.3235, 0.3207



8.9801, 0.5531, 0.2821



0.5572, 0.5052, 0.2556

Previews

White Background



This preview shows how the Yxy color 56.7375, 0.2817, 0.3609 looks on a white background.

Color Contrast Check

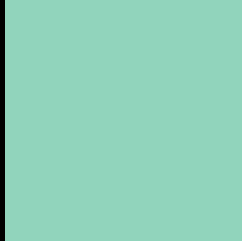
Large Text (above 18pt) WCAG AA × Fail

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 56.7375, 0.2817, 0.3609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

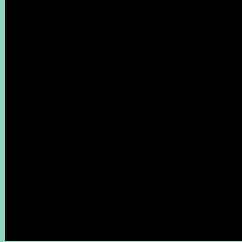
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

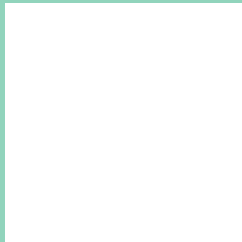
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7375, 0.2817, 0.3609

Background



This preview shows how black text looks on a background with the Yxy color 56.7375, 0.2817, 0.3609.

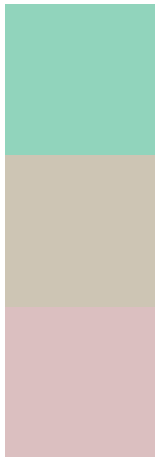


This preview shows how white text looks on a background with the Yxy color 56.7375, 0.2817, 0.3609.

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

56.7375, 0.2817, 0.3609

Protanopia

56.2069, 0.3320, 0.3495

Deuteranopia

56.1274, 0.3351, 0.3279



Tritanopia

56.7257, 0.2655, 0.3088

Trichromacy



Original Color

56.7375, 0.2817, 0.3609

Protanomaly

55.7272, 0.3116, 0.3530

Deuteranomaly

55.8149, 0.3130, 0.3388

Tritanomaly

56.7381, 0.2714, 0.3276

Monochromacy



Original Color

56.7375, 0.2817, 0.3609

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.4909, 0.2998, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7375, 0.2817, 0.3609 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(145, 212, 188)` looks like.

```
.text, #text, p{  
    color:rgb(145, 212, 188)  
}
```

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(145, 212, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 212, 188) }
```

Border

The CSS property to change the border of an element to Yxy 56.7375, 0.2817, 0.3609 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(145, 212, 188) }
```

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

```
.border{ border-color:rgb(145, 212, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 212, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 212, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 212, 188);  
box-shadow:4px 4px 4px 4px rgb(145, 212,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7375, 0.2817, 0.3609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 212, 188) }
```

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

```
.background{ background-color: rgb(145,  
212, 188) }
```

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