

Converting Colors

$Yxy(56.5591, 0.2775, 0.3590)$

Have a look what the booklet for
Yxy(56.5591, 0.2775, 0.3590)
contains.

Yxy(56.3801, 0.2775, 0.3584)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.3801, 0.2775, 0.3584)

Conversions

Conversions Part 1

Format	Color
Hex	8CD4BE
RGB	140, 212, 190
RGB Percent	55%, 83%, 75%
CMY	0.4509, 0.1686, 0.2550
CMYK	0.34, 0.00, 0.10, 0.17
HSL	162°, 46%, 69%
HSV	162°, 34%, 83%
XYZ	43.6537, 56.3801, 57.2768
YIQ	187.9640, -35.8500, -22.1060

Conversions

Conversions Part 2

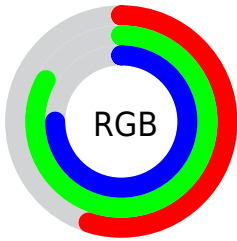
Format	Color
RYB	140, 182, 212
Decimal	9229502
CIELab	79.83, -27.29, 3.77
CIELCh	80, 27.547, 172.125
Yxy	56.3801, 0.2775, 0.3584
Android (android.graphics.Color)	4287419582 (0xFF8CD4BE)
YUV	187.9640, 1.0037, -42.0644
Hunter-Lab	75.0867, -27.6259, 7.3338

Details

The Yxy color **56.3801, 0.2775, 0.3584** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.3741, 0.3674, 0.3018**, and the grayscale version is **50.2810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9096, 0.2829, 0.3385**, and **27.8985, 0.2676, 0.3657** is the 20% darker color. If you saturate the color by 10%, you get **54.4367, 0.2691, 0.3687**, and if you desaturate by 10%, it is **58.6955, 0.2870, 0.3488**.

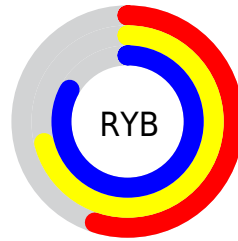
Distribution



Red (55%)

Green (83%)

Blue (75%)



Red (55%)

Yellow (71%)

Blue (83%)

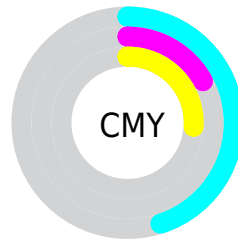


Cyan (34%)

Magenta (0%)

Yellow (10%)

Black (17%)



Cyan (45%)


Magenta (17%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3801, 0.2775, 0.3584 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 56.3801, 0.2775, 0.3584 by changing the saturation by 10% instead.

 56.3801, 0.2775,
0.3584


 56.3801, 0.2775,
0.3584


411.1224, 0.2946,
0.3439

 40.5078, 0.2734,
0.3619


 99.5601, 0.2836,
0.3532

 27.9347, 0.2681,
0.3664


 127.6366, 0.2859,
0.3512

 18.2764, 0.2613,
0.3724


160.5498, 0.2879,
0.3496

 11.1486, 0.2521,
0.3805

198.6843, 0.2896,
0.3481

 6.1669, 0.2388,
0.3924

242.4244, 0.2911,
0.3469

 2.9468, 0.2181,
0.4112

292.1545, 0.2924,

 1.1040, 0.1538,

0.3458

0.4613

348.2591, 0.2936,
0.3448

0.0000, 0.0000,
0.0000

56.3801, 0.2775,
0.3584

56.3801, 0.2775,
0.3584

54.4367, 0.2691,
0.3687

58.6955, 0.2870,
0.3488

52.8378, 0.2621,
0.3796

61.3951, 0.2974,
0.3400

51.5631, 0.2568,
0.3910


64.4987, 0.3083,
0.3319

50.5871, 0.2534,
0.4027


68.0229, 0.3195,
0.3247


49.8803, 0.2520,
0.4144

71.9833, 0.3308,
0.3183

 49.4072, 0.2526,
0.4260

 74.0001, 0.3328,
0.3121

 49.1973, 0.2536,
0.4329

 74.3694, 0.3282,
0.3057

 74.7523, 0.3236,
0.2994

 75.1491, 0.3192,
0.2933

Harmonies

Analogous

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



56.3801, 0.3113, 0.3853



56.3801, 0.2775, 0.3584



56.3801, 0.2539, 0.3234

Triad

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



56.3801, 0.2775, 0.3584



56.3801, 0.2768, 0.2703



56.3801, 0.3849, 0.3591

Complementary

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



56.3801, 0.2775, 0.3584



35.3741, 0.3674, 0.3018

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.



56.3801, 0.3750, 0.3296



56.3801, 0.2775, 0.3584



56.3801, 0.3108, 0.2803

Square

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



56.3801, 0.2775, 0.3584



56.3801, 0.2535, 0.2742



56.3801, 0.3472, 0.3015



56.3801, 0.3742, 0.3831

Rectangle

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



56.3801, 0.2775, 0.3584



56.3801, 0.2464, 0.3019



56.3801, 0.3472, 0.3015



56.3801, 0.3839, 0.3495

Sweetspot

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



56.3824, 0.2775, 0.3584



94.9877, 0.3016, 0.3368



56.7501, 0.3245, 0.4248



20.1915, 0.3000, 0.3379



0.0000, 0.0000, 0.0000



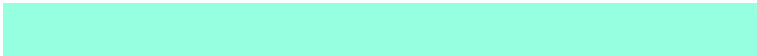
21.4041, 0.3127, 0.3290

Same Dimension

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



56.3824, 0.2775, 0.3584



83.3739, 0.2711, 0.3661



51.0901, 0.2626, 0.3114



14.0401, 0.3023, 0.3362



30.3901, 0.2531, 0.4313



1.8474, 0.2476, 0.4114

Inverse Universe

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



35.3741, 0.3674, 0.3018



46.6131, 0.3851, 0.2957



38.7486, 0.3865, 0.3457



12.4828, 0.3243, 0.3219



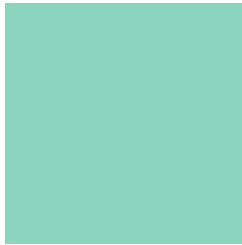
8.8918, 0.5726, 0.2928



0.5510, 0.5229, 0.2654

Previews

White Background



This preview shows how the Yxy color 56.3801, 0.2775, 0.3584 looks on a white background.

Color Contrast Check

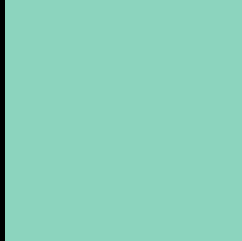
Large Text (above 18pt) WCAG AA × Fail

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 56.3801, 0.2775, 0.3584 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

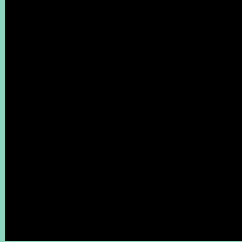
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

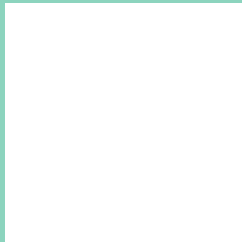
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3801, 0.2775, 0.3584

Background



This preview shows how black text looks on a background with the Yxy color 56.3801, 0.2775, 0.3584.

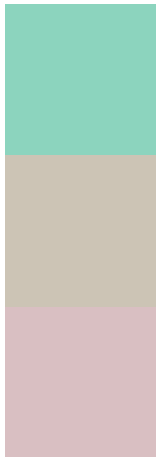


This preview shows how white text looks on a background with the Yxy color 56.3801, 0.2775, 0.3584.

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

56.3801, 0.2775, 0.3584

Protanopia

55.6534, 0.3305, 0.3472

Deuteranopia

55.9084, 0.3318, 0.3256



Tritanopia

56.3034, 0.2620, 0.3074

Trichromacy



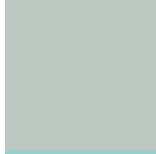
Original Color

56.3801, 0.2775, 0.3584



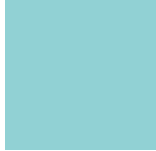
Protanomaly

55.5255, 0.3093, 0.3518



Deuteranomaly

55.5159, 0.3093, 0.3364



Tritanomaly

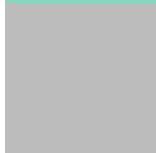
56.3741, 0.2673, 0.3250

Monochromacy



Original Color

56.3801, 0.2775, 0.3584



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

52.2646, 0.2983, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3801, 0.2775, 0.3584 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(140, 212, 190)` looks like.

```
.text, #text, p{  
    color:rgb(140, 212, 190)  
}
```

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(140, 212, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 212, 190) }
```

Border

The CSS property to change the border of an element to Yxy 56.3801, 0.2775, 0.3584 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(140, 212, 190) }
```

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

```
.border{ border-color:rgb(140, 212, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 212, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 212, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 212, 190);  
box-shadow:4px 4px 4px 4px rgb(140, 212,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3801, 0.2775, 0.3584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 212, 190) }
```

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

```
.background{ background-color: rgb(140,  
212, 190) }
```

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