

Converting Colors

$Yxy(57.0143, 0.2772, 0.3891)$

Have a look what the booklet for
Yxy(57.0143, 0.2772, 0.3891)
contains.

Yxy(56.8193, 0.2769, 0.3887)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.8193, 0.2769, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	7AD9AE
RGB	122, 217, 174
RGB Percent	48%, 85%, 68%
CMY	0.5217, 0.1490, 0.3176
CMYK	0.44, 0.00, 0.20, 0.15
HSL	153°, 56%, 66%
HSV	153°, 44%, 85%
XYZ	40.4766, 56.8193, 48.8818
YIQ	183.6930, -42.8170, -33.5130

Conversions

Conversions Part 2

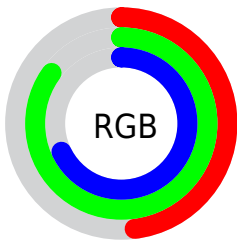
Format	Color
RYB	122, 183, 217
Decimal	8051118
CIELab	80.08, -37.95, 12.51
CIELCh	80, 39.961, 161.756
Yxy	56.8193, 0.2769, 0.3887
Android (android.graphics.Color)	4286241198 (0xFF7AD9AE)
YUV	183.6930, -4.7786, -54.1048
Hunter-Lab	75.3786, -36.0620, 14.3164

Details

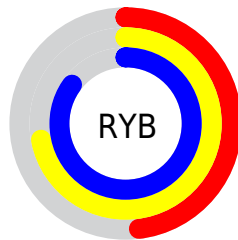
The Yxy color **56.8193, 0.2769, 0.3887** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.3816, 0.3744, 0.2773**, and the grayscale version is **47.7973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6981, 0.2814, 0.3566**, and **28.4041, 0.2669, 0.4058** is the 20% darker color. If you saturate the color by 10%, you get **55.0417, 0.2712, 0.4054**, and if you desaturate by 10%, it is **58.9831, 0.2839, 0.3730**.

Distribution



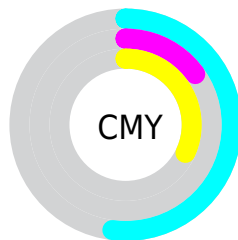
- Red (48%)
- Green (85%)
- Blue (68%)



- Red (48%)
- Yellow (72%)
- Blue (85%)



- Cyan (44%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)





- Cyan (52%)
- Magenta (15%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8193, 0.2769, 0.3887 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 56.8193, 0.2769, 0.3887 by changing the saturation by 10% instead.

 56.8193, 0.2769,
0.3887

 56.8193, 0.2769,
0.3887


412.7719, 0.2948,
0.3587


 40.8602, 0.2725,
0.3962


 100.2015, 0.2834,
0.3777

 28.2098, 0.2668,
0.4060


 128.3933, 0.2858,
0.3736

 18.4839, 0.2593,
0.4189


 161.4315, 0.2879,
0.3702

 11.2980, 0.2489,
0.4371

199.7005, 0.2896,
0.3672

 6.2676, 0.2335,
0.4642

243.5846, 0.2912,
0.3646

 3.0085, 0.2089,
0.5087

293.4683, 0.2925,

 1.1362, 0.0832,

0.3624

0.7056

349.7359, 0.2937,
0.3604

0.0086, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.8193, 0.2769,
0.3887

56.8193, 0.2769,
0.3887

55.0417, 0.2712,
0.4054

58.9831, 0.2839,
0.3730

53.6190, 0.2671,
0.4229


61.5485, 0.2918,
0.3584

52.5262, 0.2649,
0.4407


64.5381, 0.3004,
0.3451

51.7316, 0.2647,
0.4585

67.9710, 0.3093,
0.3332


 51.1972, 0.2665,
0.4757


 71.8651, 0.3184,
0.3225

 50.9570, 0.2683,
0.4860

 76.2373, 0.3274,
0.3131

 77.3449, 0.3227,
0.3036

 77.9533, 0.3161,
0.2943

 78.1095, 0.3145,
0.2920

Harmonies

Analogous

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



56.8193, 0.3273, 0.4203



56.8193, 0.2769, 0.3887



56.8193, 0.2382, 0.3375

Triad

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



56.8193, 0.2769, 0.3887



56.8193, 0.2479, 0.2460



56.8193, 0.4160, 0.3553

Complementary

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



56.8193, 0.2769, 0.3887



31.3816, 0.3744, 0.2773

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.



56.8193, 0.3916, 0.3143



56.8193, 0.2769, 0.3887



56.8193, 0.2912, 0.2542

Square

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



56.8193, 0.2769, 0.3887



56.8193, 0.2229, 0.2572



56.8193, 0.3443, 0.2785



56.8193, 0.4095, 0.3940

Rectangle

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



56.8193, 0.2769, 0.3887



56.8193, 0.2232, 0.3036



56.8193, 0.3443, 0.2785



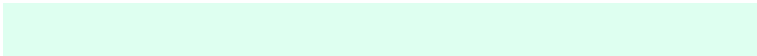
56.8193, 0.4112, 0.3415

Sweetspot

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



56.8216, 0.2769, 0.3887



93.3172, 0.3009, 0.3443



59.1760, 0.3373, 0.4524



19.7547, 0.2990, 0.3471



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.



56.8216, 0.2769, 0.3887



79.3906, 0.2714, 0.4049



57.1579, 0.2531, 0.3247



14.7250, 0.3042, 0.3398



30.8660, 0.2677, 0.4836



2.0169, 0.2600, 0.4560

Inverse Universe

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



31.3816, 0.3744, 0.2773



37.9931, 0.3953, 0.2669



30.8609, 0.4263, 0.3332



13.1490, 0.3221, 0.3185



9.4866, 0.5150, 0.2611



0.6318, 0.4753, 0.2392

Previews

White Background



This preview shows how the Yxy color 56.8193, 0.2769, 0.3887 looks on a white background.

Color Contrast Check

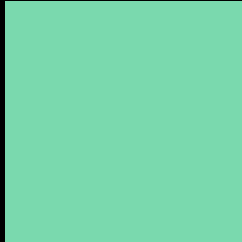
Large Text (above 18pt) WCAG AA × Fail

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 56.8193, 0.2769, 0.3887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

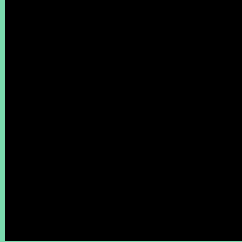
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.8193, 0.2769, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 56.8193, 0.2769, 0.3887.

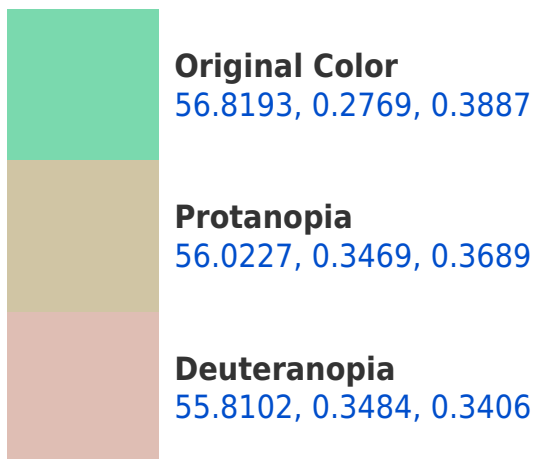


This preview shows how white text looks on a background with the Yxy color 56.8193, 0.2769, 0.3887.

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





Tritanopia

56.7901, 0.2537, 0.3072

Trichromacy



Original Color

56.8193, 0.2769, 0.3887



Protanomaly

55.3600, 0.3174, 0.3755



Deuteranomaly

54.9620, 0.3177, 0.3568



Tritanomaly

56.8884, 0.2617, 0.3354

Monochromacy



Original Color

56.8193, 0.2769, 0.3887



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.3522, 0.2970, 0.3505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8193, 0.2769, 0.3887 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(122, 217, 174)` looks like.

```
.text, #text, p{  
    color:rgb(122, 217, 174)  
}
```

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(122, 217, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 217, 174) }
```

Border

The CSS property to change the border of an element to Yxy 56.8193, 0.2769, 0.3887 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(122, 217, 174) }
```

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

```
.border{ border-color:rgb(122, 217, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 217, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 217, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 217, 174);  
box-shadow:4px 4px 4px 4px rgb(122, 217,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8193, 0.2769, 0.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 217, 174) }
```

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

```
.background{ background-color: rgb(122,  
217, 174) }
```

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