

Converting Colors

Yxy(56.8749, 0.2759, 0.3639)

Have a look what the booklet for
Yxy(56.8749, 0.2759, 0.3639)
contains.

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Color

Yxy(56.8749, 0.2759, 0.3639)

Conversions

Conversions Part 1

Format	Color
Hex	87D6BC
RGB	135, 214, 188
RGB Percent	53%, 84%, 74%
CMY	0.4705, 0.1608, 0.2626
CMYK	0.37, 0.00, 0.12, 0.16
HSL	160°, 49%, 68%
HSV	160°, 37%, 84%
XYZ	43.1211, 56.8749, 56.2966
YIQ	187.4150, -38.7380, -24.8340

Conversions

Conversions Part 2

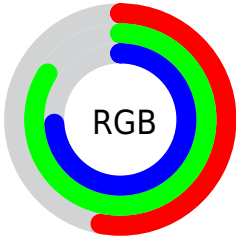
Format	Color
RYB	135, 182, 214
Decimal	8902332
CIELab	80.11, -30.07, 5.18
CIElCh	80, 30.510, 170.220
Yxy	56.8749, 0.2759, 0.3639
Android (android.graphics.Color)	4287092412 (0xFF87D6BC)
YUV	187.4150, 0.2884, -45.9680
Hunter-Lab	75.4154, -29.9141, 8.5316

Details

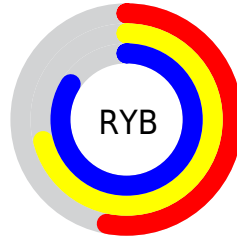
The Yxy color **56.8749, 0.2759, 0.3639** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.2060, 0.3721, 0.2972**, and the grayscale version is **49.9613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1280, 0.2812, 0.3407**, and **28.2949, 0.2661, 0.3734** is the 20% darker color. If you saturate the color by 10%, you get **54.9802, 0.2681, 0.3753**, and if you desaturate by 10%, it is **59.1458, 0.2849, 0.3533**.

Distribution



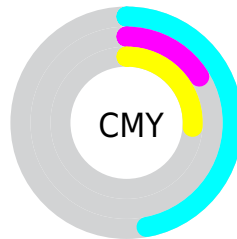
- Red (53%)
- Green (84%)
- Blue (74%)



- Red (53%)
- Yellow (71%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (12%)
- Black (16%)





- Cyan (47%)
- Magenta (16%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8749, 0.2759, 0.3639 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 56.8749, 0.2759, 0.3639 by changing the saturation by 10% instead.

 56.8749, 0.2759,
0.3639

 56.8749, 0.2759,
0.3639


412.9804, 0.2938,
0.3467


 40.9048, 0.2716,
0.3681


 100.2826, 0.2823,
0.3577

 28.2447, 0.2661,
0.3735


 128.4891, 0.2847,
0.3553

 18.5102, 0.2589,
0.3806


 161.5431, 0.2868,
0.3534

 11.3169, 0.2492,
0.3904

199.8290, 0.2886,
0.3516

 6.2804, 0.2352,
0.4048

243.7313, 0.2902,
0.3502

 3.0163, 0.2135,
0.4277

293.6344, 0.2915,

 1.1403, 0.1417,

0.3489

0.4902

349.9226, 0.2928,
0.3477

0.0121, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.8749, 0.2759,
0.3639

56.8749, 0.2759,
0.3639

54.9802, 0.2681,
0.3753

59.1458, 0.2849,
0.3533

53.4330, 0.2618,
0.3873


61.8059, 0.2948,
0.3435


52.2117, 0.2572,
0.3997


64.8759, 0.3053,
0.3346

51.2891, 0.2546,
0.4123


68.3731, 0.3161,
0.3266

 50.6335, 0.2540,
0.4250


 72.3137, 0.3270,
0.3195


 50.2035, 0.2553,
0.4375

 75.0791, 0.3316,
0.3128

 50.0935, 0.2559,
0.4413

 75.4831, 0.3267,
0.3059

 75.9034, 0.3218,
0.2991

 76.3399, 0.3170,
0.2924

Harmonies

Analogous

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



56.8749, 0.3135, 0.3928



56.8749, 0.2759, 0.3639



56.8749, 0.2492, 0.3250

Triad

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



56.8749, 0.2759, 0.3639



56.8749, 0.2711, 0.2645



56.8749, 0.3925, 0.3597

Complementary

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



56.8749, 0.2759, 0.3639



34.2060, 0.3721, 0.2972

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.



56.8749, 0.3801, 0.3273



56.8749, 0.2759, 0.3639



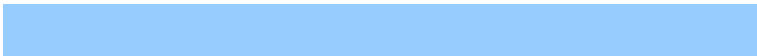
56.8749, 0.3078, 0.2746

Square

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



56.8749, 0.2759, 0.3639



56.8749, 0.2466, 0.2695



56.8749, 0.3483, 0.2970



56.8749, 0.3818, 0.3870

Rectangle

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



56.8749, 0.2759, 0.3639



56.8749, 0.2404, 0.3008



56.8749, 0.3483, 0.2970



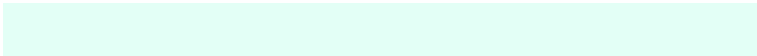
56.8749, 0.3910, 0.3491

Sweetspot

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



56.8772, 0.2759, 0.3639



94.4828, 0.3008, 0.3383



57.4557, 0.3262, 0.4340



20.0892, 0.2994, 0.3395



0.0000, 0.0000, 0.0000



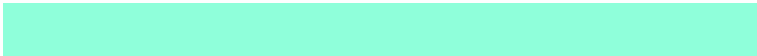
21.4041, 0.3127, 0.3290

Same Dimension

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



56.8772, 0.2759, 0.3639



82.4090, 0.2699, 0.3724



51.7054, 0.2589, 0.3114



14.0352, 0.3026, 0.3368



30.2992, 0.2554, 0.4395



1.8425, 0.2494, 0.4180

Inverse Universe

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



34.2060, 0.3721, 0.2972



44.1280, 0.3903, 0.2907



37.2864, 0.3960, 0.3456



12.4875, 0.3240, 0.3214



8.9285, 0.5643, 0.2882



0.5536, 0.5152, 0.2612

Previews

White Background



This preview shows how the Yxy color 56.8749, 0.2759, 0.3639 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 56.8749, 0.2759, 0.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

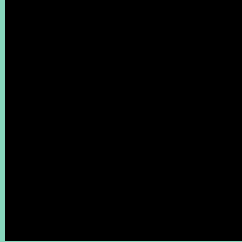
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

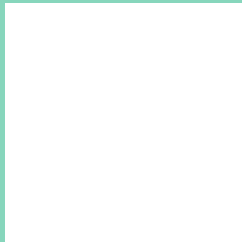
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.8749, 0.2759, 0.3639

Background



This preview shows how black text looks on a background with the Yxy color 56.8749, 0.2759, 0.3639.

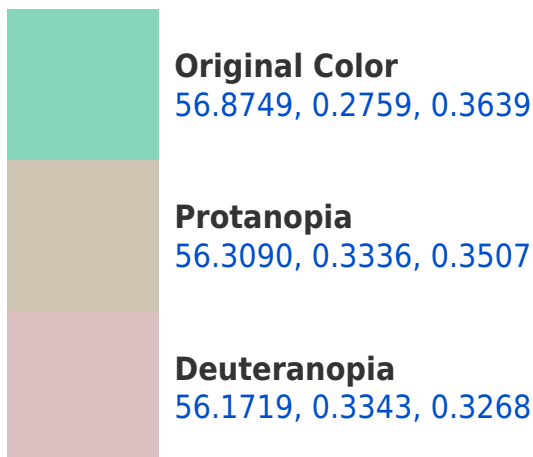


This preview shows how white text looks on a background with the Yxy color 56.8749, 0.2759, 0.3639.

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

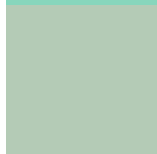
56.9665, 0.2595, 0.3087

Trichromacy



Original Color

56.8749, 0.2759, 0.3639



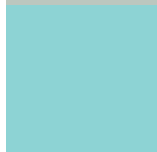
Protanomaly

55.7926, 0.3099, 0.3556



Deuteranomaly

55.2998, 0.3099, 0.3389



Tritanomaly

57.0047, 0.2653, 0.3276

Monochromacy



Original Color

56.8749, 0.2759, 0.3639



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

51.8452, 0.2974, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8749, 0.2759, 0.3639 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(135, 214, 188)` looks like.

```
.text, #text, p{  
    color:rgb(135, 214, 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(135, 214, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 214, 188) }
```

Border

The CSS property to change the border of an element to Yxy 56.8749, 0.2759, 0.3639 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(135, 214, 188) }
```

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

```
.border{ border-color:rgb(135, 214, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 214, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 214, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 214, 188);  
box-shadow:4px 4px 4px 4px rgb(135, 214,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8749, 0.2759, 0.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 214, 188) }
```

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

```
.background{ background-color: rgb(135,  
214, 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](#).

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