

Converting Colors

$Y_{xy}(55.1975, 0.2769, 0.3631)$

Have a look what the booklet for
Yxy(55.1975, 0.2769, 0.3631)
contains.

Yxy(55.2846, 0.2767, 0.3629)	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(55.2846, 0.2767, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	87D3BA
RGB	135, 211, 186
RGB Percent	53%, 83%, 73%
CMY	0.4705, 0.1726, 0.2706
CMYK	0.36, 0.00, 0.12, 0.17
HSL	160°, 46%, 68%
HSV	160°, 36%, 83%
XYZ	42.1528, 55.2846, 54.9037
YIQ	185.4260, -37.2710, -23.8870

Conversions

Conversions Part 2

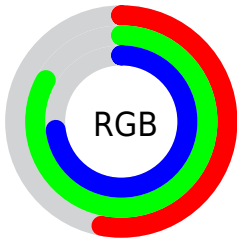
Format	Color
RYB	135, 180, 211
Decimal	8901562
CIELab	79.20, -29.07, 4.96
CIElCh	79, 29.487, 170.319
Yxy	55.2846, 0.2767, 0.3629
Android (android.graphics.Color)	4287091642 (0xFF87D3BA)
YUV	185.4260, 0.2830, -44.2236
Hunter-Lab	74.3536, -28.9230, 8.2670

Details

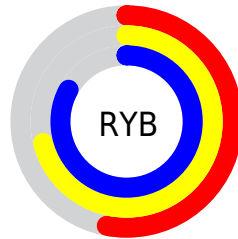
The Yxy color **55.2846, 0.2767, 0.3629** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.7256, 0.3700, 0.2980**, and the grayscale version is **48.7845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0072, 0.2823, 0.3429**, and **27.2197, 0.2668, 0.3721** is the 20% darker color. If you saturate the color by 10%, you get **53.4179, 0.2688, 0.3742**, and if you desaturate by 10%, it is **57.5170, 0.2858, 0.3524**.

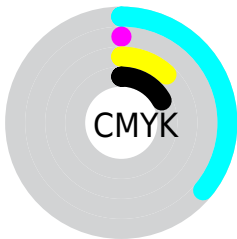
Distribution



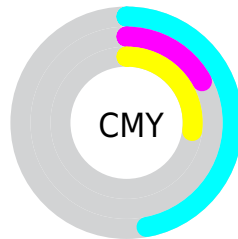
- Red (53%)
- Green (83%)
- Blue (73%)



- Red (53%)
- Yellow (71%)
- Blue (83%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (17%)





- Cyan (47%)
- Magenta (17%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2846, 0.2767, 0.3629 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 55.2846, 0.2767, 0.3629 by changing the saturation by 10% instead.


 55.2846, 0.2767,
0.3629


 55.2846, 0.2767,
0.3629


406.9898, 0.2943,
0.3461

 39.6296, 0.2724,
0.3670

 97.9578, 0.2830,
0.3568

 27.2499, 0.2670,
0.3723


 125.7448, 0.2854,
0.3545

 17.7610, 0.2599,
0.3794


 158.3447, 0.2875,
0.3526

 10.7785, 0.2502,
0.3891

196.1417, 0.2892,
0.3509

 5.9181, 0.2361,
0.4033

239.5204, 0.2907,
0.3495

 2.7953, 0.2141,
0.4264

288.8650, 0.2921,

 1.0258, 0.1265,

0.3482

0.5010

344.5600, 0.2933,
0.3471

0.0000, 0.0000,
0.0000

55.2846, 0.2767,
0.3629

55.2846, 0.2767,
0.3629

53.4179, 0.2688,
0.3742

57.5170, 0.2858,
0.3524

51.8894, 0.2623,
0.3861

60.1274, 0.2957,
0.3427

50.6782, 0.2576,
0.3985

63.1358, 0.3062,
0.3339

49.7587, 0.2548,
0.4112


66.5589, 0.3171,
0.3259


49.1005, 0.2540,
0.4238


70.4121, 0.3280,
0.3189

 48.6663, 0.2551,
0.4363

 73.4304, 0.3338,
0.3123

 48.5278, 0.2559,
0.4413

 73.8231, 0.3289,
0.3055

 74.2314, 0.3240,
0.2988

 74.6556, 0.3192,
0.2922

Harmonies

Analogous

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



55.2846, 0.3134, 0.3911



55.2846, 0.2767, 0.3629



55.2846, 0.2506, 0.3250

Triad

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



55.2846, 0.2767, 0.3629



55.2846, 0.2722, 0.2659



55.2846, 0.3906, 0.3592

Complementary

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



55.2846, 0.2767, 0.3629



33.7256, 0.3700, 0.2980

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.



55.2846, 0.3785, 0.3275



55.2846, 0.2767, 0.3629



55.2846, 0.3081, 0.2759

Square

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



55.2846, 0.2767, 0.3629



55.2846, 0.2482, 0.2708



55.2846, 0.3476, 0.2978



55.2846, 0.3801, 0.3858

Rectangle

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



55.2846, 0.2767, 0.3629



55.2846, 0.2420, 0.3015



55.2846, 0.3476, 0.2978



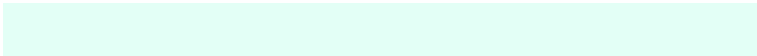
55.2846, 0.3891, 0.3488

Sweetspot

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



55.2868, 0.2767, 0.3629



94.4825, 0.3008, 0.3383



55.8484, 0.3260, 0.4310



20.0891, 0.2994, 0.3395



0.0000, 0.0000, 0.0000



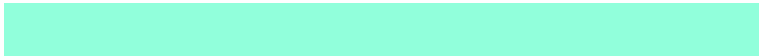
21.4041, 0.3127, 0.3290

Same Dimension

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



55.2868, 0.2767, 0.3629



82.6818, 0.2707, 0.3713



50.3997, 0.2601, 0.3119



13.3382, 0.3026, 0.3368



29.3066, 0.2554, 0.4394



1.6530, 0.2491, 0.4166

Inverse Universe

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



33.7256, 0.3700, 0.2980



44.9719, 0.3877, 0.2915



36.6834, 0.3931, 0.3452



11.8715, 0.3240, 0.3214



8.6373, 0.5640, 0.2880



0.4975, 0.5117, 0.2592

Previews

White Background



This preview shows how the Yxy color 55.2846, 0.2767, 0.3629 looks on a white background.

Color Contrast Check

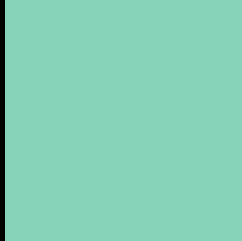
Large Text (above 18pt) WCAG AA × Fail

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 55.2846, 0.2767, 0.3629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

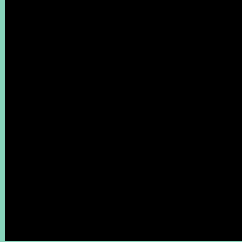
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

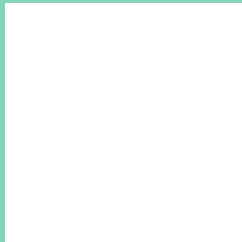
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.2846, 0.2767, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 55.2846, 0.2767, 0.3629.

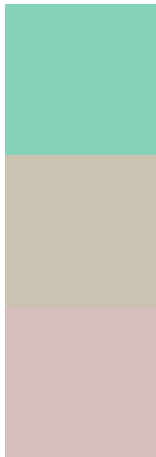


This preview shows how white text looks on a background with the Yxy color 55.2846, 0.2767, 0.3629.

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

55.2846, 0.2767, 0.3629

Protanopia

54.9010, 0.3329, 0.3510

Deuteranopia

54.7557, 0.3337, 0.3267



Tritanopia

55.3458, 0.2606, 0.3085

Trichromacy



Original Color

55.2846, 0.2767, 0.3629



Protanomaly

54.5336, 0.3099, 0.3559



Deuteranomaly

54.1714, 0.3107, 0.3390



Tritanomaly

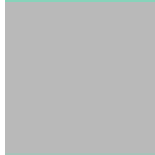
55.3779, 0.2665, 0.3276

Monochromacy



Original Color

55.2846, 0.2767, 0.3629



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

50.3018, 0.2980, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2846, 0.2767, 0.3629 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, 211, 186)` looks like.

```
.text, #text, p{  
    color:rgb(135, 211, 186)  
}
```

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, 211, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 211, 186) }
```

Border

The CSS property to change the border of an element to Yxy 55.2846, 0.2767, 0.3629 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, 211, 186) }
```

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

```
.border{ border-color:rgb(135, 211, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 211, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 211, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 211, 186);  
box-shadow:4px 4px 4px 4px rgb(135, 211,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2846, 0.2767, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 211, 186) }
```

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

```
.background{ background-color: rgb(135,  
211, 186) }
```

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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