

Converting Colors

$Yxy(56.5461, 0.2842, 0.3808)$

Have a look what the booklet for
Yxy(56.5461, 0.2842, 0.3808)
contains.

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Color

Yxy(56.5461, 0.2842, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	89D6B0
RGB	137, 214, 176
RGB Percent	54%, 84%, 69%
CMY	0.4626, 0.1608, 0.3099
CMYK	0.36, 0.00, 0.18, 0.16
HSL	150°, 48%, 69%
HSV	150°, 36%, 84%
XYZ	42.2017, 56.5461, 49.7451
YIQ	186.6450, -33.6940, -28.1420

Conversions

Conversions Part 2

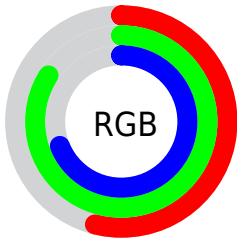
Format	Color
RYB	137, 188, 214
Decimal	9033392
CIELab	79.92, -32.02, 11.35
CIElCh	80, 33.969, 160.484
Yxy	56.5461, 0.2842, 0.3808
Android (android.graphics.Color)	4287223472 (0xFF89D6B0)
YUV	186.6450, -5.2480, -43.5387
Hunter-Lab	75.1971, -31.4183, 13.4159

Details

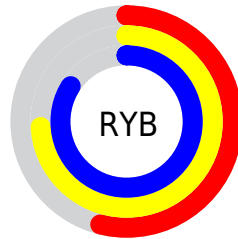
The Yxy color **56.5461, 0.2842, 0.3808** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.2982, 0.3560, 0.2828**, and the grayscale version is **49.5328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6837, 0.2885, 0.3538**, and **28.0653, 0.2763, 0.3968** is the 20% darker color. If you saturate the color by 10%, you get **54.5126, 0.2779, 0.3984**, and if you desaturate by 10%, it is **58.9756, 0.2915, 0.3645**.

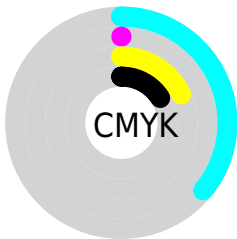
Distribution



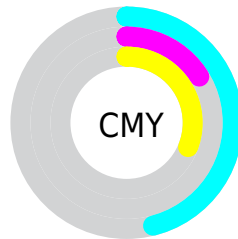
- Red (54%)
- Green (84%)
- Blue (69%)



- Red (54%)
- Yellow (74%)
- Blue (84%)



- Cyan (36%)
- Magenta (0%)
- Yellow (18%)
- Black (16%)





- Cyan (46%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5461, 0.2842, 0.3808 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 56.5461, 0.2842, 0.3808 by changing the saturation by 10% instead.


 56.5461, 0.2842,
0.3808

 56.5461, 0.2842,
0.3808


411.7463, 0.2984,
0.3548


 40.6409, 0.2807,
0.3873


 99.8026, 0.2894,
0.3713

 28.0386, 0.2761,
0.3957


 127.9227, 0.2913,
0.3678

 18.3548, 0.2701,
0.4068


 160.8832, 0.2929,
0.3648

 11.2050, 0.2618,
0.4224

199.0686, 0.2943,
0.3622

 6.2049, 0.2494,
0.4456

242.8632, 0.2956,
0.3600

 2.9701, 0.2294,
0.4836

292.6514, 0.2966,

 1.1161, 0.1474,

0.3581

0.6265

348.8177, 0.2976,
0.3564

0.0000, 0.0000,
0.0000

56.5461, 0.2842,
0.3808

56.5461, 0.2842,
0.3808

54.5126, 0.2779,
0.3984

58.9756, 0.2915,
0.3645

52.8460, 0.2729,
0.4170

61.8144, 0.2994,
0.3497

51.5243, 0.2695,
0.4363


65.0836, 0.3077,
0.3363


50.5202, 0.2681,
0.4558


68.8008, 0.3161,
0.3243


49.8019, 0.2686,
0.4749

72.9828, 0.3246,
0.3138

 49.3300, 0.2711,
0.4933

 75.6104, 0.3252,
0.3038

 49.1808, 0.2723,
0.5004

 76.2555, 0.3179,
0.2937

 76.5732, 0.3146,
0.2891

Harmonies

Analogous

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



56.5461, 0.3277, 0.4064



56.5461, 0.2842, 0.3808



56.5461, 0.2499, 0.3386

Triad

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



56.5461, 0.2842, 0.3808



56.5461, 0.2558, 0.2574



56.5461, 0.4002, 0.3510

Complementary

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



56.5461, 0.2842, 0.3808



35.2982, 0.3560, 0.2828

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.



56.5461, 0.3784, 0.3153



56.5461, 0.2842, 0.3808



56.5461, 0.2928, 0.2636

Square

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



56.5461, 0.2842, 0.3808



56.5461, 0.2347, 0.2684



56.5461, 0.3380, 0.2843



56.5461, 0.3962, 0.3843

Rectangle

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



56.5461, 0.2842, 0.3808



56.5461, 0.2362, 0.3097



56.5461, 0.3380, 0.2843



56.5461, 0.3956, 0.3390

Sweetspot

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



56.5484, 0.2842, 0.3808



94.2018, 0.3034, 0.3430



59.0750, 0.3358, 0.4278



20.0222, 0.3022, 0.3449



0.0000, 0.0000, 0.0000



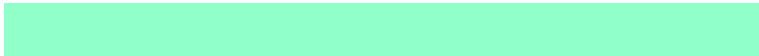
21.4041, 0.3127, 0.3290

Same Dimension

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



56.5484, 0.2842, 0.3808



81.7795, 0.2794, 0.3938



58.2703, 0.2625, 0.3289



13.9997, 0.3048, 0.3408



29.7477, 0.2716, 0.4978



1.8109, 0.2629, 0.4664

Inverse Universe

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



35.2982, 0.3560, 0.2828



45.7668, 0.3689, 0.2732



34.0073, 0.3989, 0.3293



12.5221, 0.3214, 0.3175



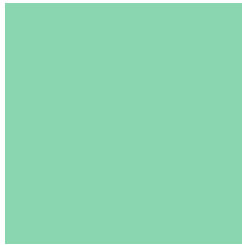
9.2881, 0.4971, 0.2512



0.5769, 0.4586, 0.2300

Previews

White Background



This preview shows how the Yxy color 56.5461, 0.2842, 0.3808 looks on a white background.

Color Contrast Check

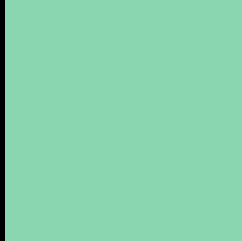
Large Text (above 18pt) WCAG AA × Fail

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 56.5461, 0.2842, 0.3808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

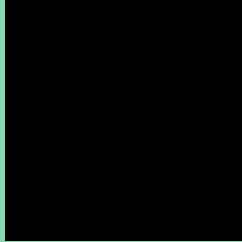
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.5461, 0.2842, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 56.5461, 0.2842, 0.3808.

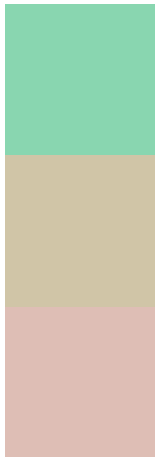


This preview shows how white text looks on a background with the Yxy color 56.5461, 0.2842, 0.3808.

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

56.5461, 0.2842, 0.3808

Protanopia

56.1324, 0.3446, 0.3652

Deuteranopia

55.6927, 0.3467, 0.3395



Tritanopia

56.3034, 0.2620, 0.3074

Trichromacy



Original Color

56.5461, 0.2842, 0.3808



Protanomaly

55.5592, 0.3200, 0.3712



Deuteranomaly

55.1779, 0.3210, 0.3540



Tritanomaly

56.5275, 0.2697, 0.3328

Monochromacy



Original Color

56.5461, 0.2842, 0.3808



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

51.7864, 0.3010, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5461, 0.2842, 0.3808 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(137, 214, 176)` looks like.

```
.text, #text, p{  
    color:rgb(137, 214, 176)  
}
```

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(137, 214, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 214, 176) }
```

Border

The CSS property to change the border of an element to Yxy 56.5461, 0.2842, 0.3808 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(137, 214, 176) }
```

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

```
.border{ border-color:rgb(137, 214, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 214, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 214, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 214, 176);  
box-shadow:4px 4px 4px 4px rgb(137, 214,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5461, 0.2842, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 214, 176) }
```

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

```
.background{ background-color: rgb(137,  
214, 176) }
```

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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