

Converting Colors

$Yxy(56.0045, 0.2887, 0.4187)$

Have a look what the booklet for
Yxy(56.0045, 0.2887, 0.4187)
contains.

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Color

Yxy(56.0964, 0.2883, 0.4182)

Conversions

Conversions Part 1

Format	Color
Hex	7AD99A
RGB	122, 217, 154
RGB Percent	48%, 85%, 60%
CMY	0.5216, 0.1490, 0.3960
CMYK	0.44, 0.00, 0.29, 0.15
HSL	140°, 56%, 66%
HSV	140°, 44%, 85%
XYZ	38.6719, 56.0964, 39.3694
YIQ	181.4130, -36.3970, -39.7330

Conversions

Conversions Part 2

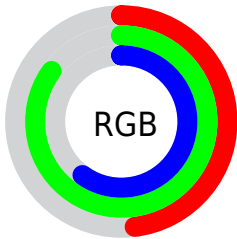
Format	Color
RYB	122, 193, 217
Decimal	8051098
CIELab	79.67, -41.86, 22.46
CIELCh	80, 47.510, 151.783
Yxy	56.0964, 0.2883, 0.4182
Android (android.graphics.Color)	4286241178 (0xFF7AD99A)
YUV	181.4130, -13.5146, -52.1052
Hunter-Lab	74.8975, -38.9056, 21.2628

Details

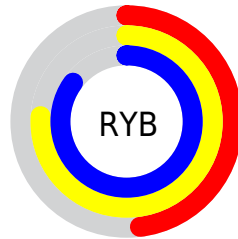
The Yxy color **56.0964, 0.2883, 0.4182** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.1714, 0.3511, 0.2548**, and the grayscale version is **46.5339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5884, 0.2922, 0.3811**, and **27.6273, 0.2799, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **54.2366, 0.2845, 0.4433**, and if you desaturate by 10%, it is **58.3719, 0.2931, 0.3945**.

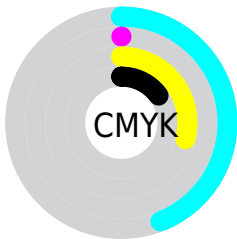
Distribution



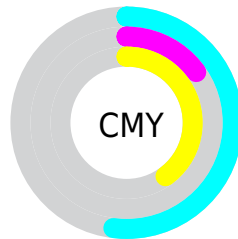
- Red (48%)
- Green (85%)
- Blue (60%)



- Red (48%)
- Yellow (76%)
- Blue (85%)



- Cyan (44%)
- Magenta (0%)
- Yellow (29%)
- Black (15%)



- Cyan (52%)
- Magenta (15%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0964, 0.2883, 0.4182 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 56.0964, 0.2883, 0.4182 by changing the saturation by 10% instead.


 56.0964, 0.2883,
0.4182

 56.0964, 0.2883,
0.4182

410.0547, 0.3014,
0.3725


 40.2802, 0.2848,
0.4299


 99.1455, 0.2932,
0.4014

 27.7571, 0.2801,
0.4450


 127.1472, 0.2950,
0.3951

 18.1426, 0.2737,
0.4654


 159.9796, 0.2965,
0.3899

 11.0524, 0.2642,
0.4941

198.0270, 0.2978,
0.3854

 6.1021, 0.2492,
0.5372

241.6738, 0.2989,
0.3815

 2.9073, 0.2231,
0.6092

291.3044, 0.2998,

 1.0835, 0.0000,

0.3781

1.0000

347.3032, 0.3007,
0.3752

■ 0.0000, 0.0000,
0.0000

■ 56.0964, 0.2883,
0.4182

■ 56.0964, 0.2883,
0.4182

■ 54.2366, 0.2845,
0.4433

■ 58.3719, 0.2931,
0.3945

■ 52.7598, 0.2820,
0.4691

■ 61.0797, 0.2986,
0.3726

■ 51.6393, 0.2812,
0.4946


■ 64.2438, 0.3044,
0.3528


■ 50.8420, 0.2820,
0.5186

■ 67.8846, 0.3104,
0.3351


■ 50.3279, 0.2846,
0.5402

■ 72.0209, 0.3164,
0.3195

 50.1110, 0.2867,
0.5521

 76.6708, 0.3223,
0.3058

 78.0897, 0.3146,
0.2923

 78.1079, 0.3145,
0.2920

Harmonies

Analogous

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



56.0964, 0.3491, 0.4431



56.0964, 0.2883, 0.4182



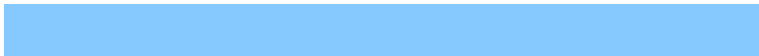
56.0964, 0.2371, 0.3601

Triad

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



56.0964, 0.2883, 0.4182



56.0964, 0.2241, 0.2333



56.0964, 0.4304, 0.3422

Complementary

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



56.0964, 0.2883, 0.4182



32.1714, 0.3511, 0.2548

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.



56.0964, 0.3902, 0.2960



56.0964, 0.2883, 0.4182



56.0964, 0.2678, 0.2361

Square

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



56.0964, 0.2883, 0.4182



56.0964, 0.2034, 0.2532



56.0964, 0.3285, 0.2586



56.0964, 0.4342, 0.3896

Rectangle

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



56.0964, 0.2883, 0.4182



56.0964, 0.2146, 0.3171



56.0964, 0.3285, 0.2586



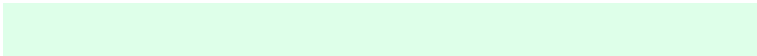
56.0964, 0.4207, 0.3263

Sweetspot

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



56.0987, 0.2883, 0.4182



92.9105, 0.3048, 0.3516



61.3887, 0.3521, 0.4464



19.6546, 0.3035, 0.3558



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.



56.0987, 0.2883, 0.4182



78.2339, 0.2846, 0.4425



57.9899, 0.2620, 0.3501



14.6783, 0.3070, 0.3449



30.3509, 0.2860, 0.5495



1.9820, 0.2767, 0.5160

Inverse Universe

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



32.1714, 0.3511, 0.2548



39.2822, 0.3632, 0.2398



30.4996, 0.4080, 0.3100



13.1963, 0.3189, 0.3136



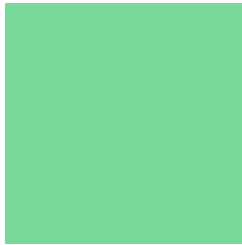
10.1665, 0.4282, 0.2133



0.6745, 0.4063, 0.2012

Previews

White Background



This preview shows how the Yxy color 56.0964, 0.2883, 0.4182 looks on a white background.

Color Contrast Check

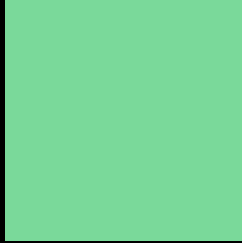
Large Text (above 18pt) WCAG AA × Fail

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 56.0964, 0.2883, 0.4182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

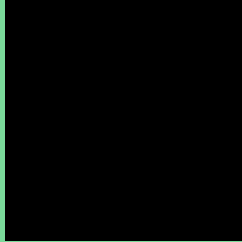
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.0964, 0.2883, 0.4182

Background



This preview shows how black text looks on a background with the Yxy color 56.0964, 0.2883, 0.4182.

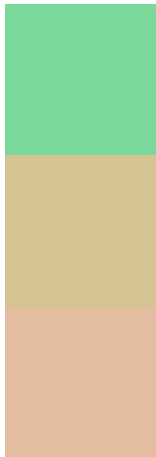


This preview shows how white text looks on a background with the Yxy color 56.0964, 0.2883, 0.4182.

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

56.0964, 0.2883, 0.4182

Protanopia

55.3731, 0.3646, 0.3904

Deuteranopia

55.4272, 0.3697, 0.3624



Tritanopia

55.9513, 0.2560, 0.3072

Trichromacy



Original Color

56.0964, 0.2883, 0.4182



Protanomaly

54.9076, 0.3332, 0.4018



Deuteranomaly

54.1343, 0.3351, 0.3812



Tritanomaly

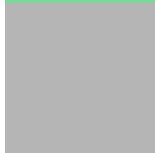
55.6176, 0.2674, 0.3450

Monochromacy



Original Color

56.0964, 0.2883, 0.4182



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

48.9974, 0.3026, 0.3604

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0964, 0.2883, 0.4182 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(122, 217, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 217, 154) }
```

Border

The CSS property to change the border of an element to Yxy 56.0964, 0.2883, 0.4182 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, 154) }
```

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

```
.border{ border-color:rgb(122, 217, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 217, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 217, 154); box-shadow:4px 4px 4px 4px rgb(122, 217, 154) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0964, 0.2883, 0.4182 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, 154) }
```

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

```
.background{ background-color: rgb(122,  
217, 154) }
```

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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