

Converting Colors

$Yxy(55.9861, 0.2910, 0.4054)$

Have a look what the booklet for
Yxy(55.9861, 0.2910, 0.4054)
contains.

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Color

Yxy(56.1255, 0.2913, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	85D7A0
RGB	133, 215, 160
RGB Percent	52%, 84%, 63%
CMY	0.4784, 0.1568, 0.3725
CMYK	0.38, 0.00, 0.26, 0.16
HSL	140°, 51%, 68%
HSV	140°, 38%, 84%
XYZ	40.3190, 56.1255, 41.9661
YIQ	184.2120, -31.2170, -34.4890

Conversions

Conversions Part 2

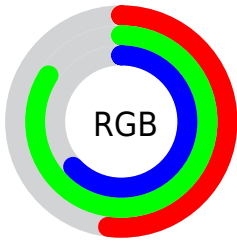
Format	Color
RYB	133, 195, 215
Decimal	8771488
CIELab	79.69, -36.75, 19.43
CIELCh	80, 41.567, 152.139
Yxy	56.1255, 0.2913, 0.4055
Android (android.graphics.Color)	4286961568 (0xFF85D7A0)
YUV	184.2120, -11.9365, -44.9129
Hunter-Lab	74.9170, -35.0391, 19.2295

Details

The Yxy color **56.1255, 0.2913, 0.4055** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **34.8555, 0.3440, 0.2635**, and the grayscale version is **48.1380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2451, 0.2952, 0.3732**, and **27.8866, 0.2847, 0.4291** is the 20% darker color. If you saturate the color by 10%, you get **54.0773, 0.2870, 0.4302**, and if you desaturate by 10%, it is **58.5950, 0.2964, 0.3825**.

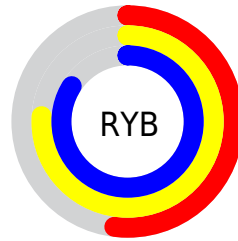
Distribution



Red (52%)

Green (84%)

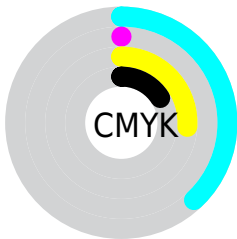
Blue (63%)



Red (52%)

Yellow (76%)

Blue (84%)

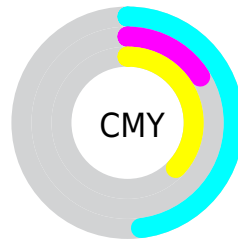


Cyan (38%)

Magenta (0%)

Yellow (26%)

Black (16%)



Cyan (48%)


Magenta (16%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1255, 0.2913, 0.4055 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 56.1255, 0.2913, 0.4055 by changing the saturation by 10% instead.

 56.1255, 0.2913,
0.4055


 56.1255, 0.2913,
0.4055


410.1643, 0.3026,
0.3666


 40.3036, 0.2883,
0.4154

 99.1880, 0.2955,
0.3912

 27.7753, 0.2844,
0.4282


 127.1974, 0.2971,
0.3859

 18.1563, 0.2789,
0.4453


 160.0381, 0.2984,
0.3814

 11.0623, 0.2711,
0.4695

198.0944, 0.2995,
0.3776

 6.1088, 0.2587,
0.5058

241.7508, 0.3004,
0.3743

 2.9113, 0.2370,
0.5656

291.3917, 0.3013,

 1.0856, 0.1010,

0.3714

0.8990

347.4013, 0.3020,
0.3688

0.0000, 0.0000,
0.0000

56.1255, 0.2913,
0.4055

56.1255, 0.2913,
0.4055

54.0773, 0.2870,
0.4302

58.5950, 0.2964,
0.3825

52.4196, 0.2838,
0.4559

61.5010, 0.3020,
0.3616

51.1280, 0.2820,
0.4820


64.8661, 0.3079,
0.3427

50.1727, 0.2819,
0.5072


68.7096, 0.3138,
0.3260


49.5186, 0.2835,
0.5304

73.0494, 0.3196,
0.3114

 49.1158, 0.2866,
0.5506

 76.5492, 0.3202,
0.2980

 49.0548, 0.2872,
0.5540

 77.0826, 0.3145,
0.2901

Harmonies

Analogous

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



56.1255, 0.3449, 0.4281



56.1255, 0.2913, 0.4055



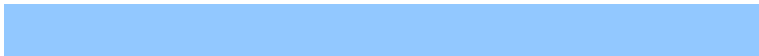
56.1255, 0.2459, 0.3557

Triad

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



56.1255, 0.2913, 0.4055



56.1255, 0.2346, 0.2441



56.1255, 0.4158, 0.3422

Complementary

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



56.1255, 0.2913, 0.4055



34.8555, 0.3440, 0.2635

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.



56.1255, 0.3811, 0.3007



56.1255, 0.2913, 0.4055



56.1255, 0.2740, 0.2465

Square

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



56.1255, 0.2913, 0.4055



56.1255, 0.2157, 0.2623



56.1255, 0.3276, 0.2668



56.1255, 0.4193, 0.3843

Rectangle

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



56.1255, 0.2913, 0.4055



56.1255, 0.2258, 0.3187



56.1255, 0.3276, 0.2668



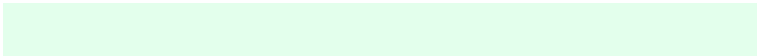
56.1255, 0.4074, 0.3279

Sweetspot

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



56.1278, 0.2913, 0.4055



93.9097, 0.3061, 0.3481



61.1199, 0.3487, 0.4303



19.9527, 0.3053, 0.3506



0.0000, 0.0000, 0.0000



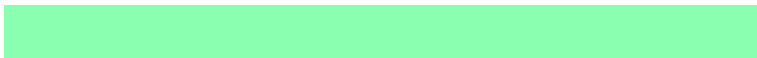
21.4041, 0.3127, 0.3290

Same Dimension

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



56.1278, 0.2913, 0.4055



80.0449, 0.2876, 0.4259



57.7584, 0.2681, 0.3488



13.9627, 0.3071, 0.3450



29.3572, 0.2865, 0.5513



1.7858, 0.2766, 0.5157

Inverse Universe

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



34.8555, 0.3440, 0.2635



44.3286, 0.3533, 0.2497



33.3637, 0.3889, 0.3107



12.5599, 0.3188, 0.3135



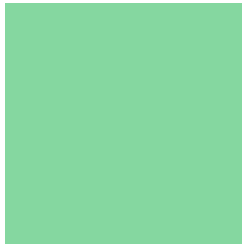
9.8697, 0.4250, 0.2115



0.6103, 0.4026, 0.1992

Previews

White Background



This preview shows how the Yxy color 56.1255, 0.2913, 0.4055 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 56.1255, 0.2913, 0.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

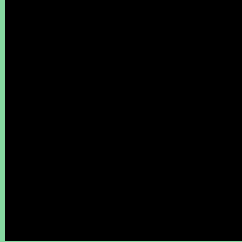
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.1255, 0.2913, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 56.1255, 0.2913, 0.4055.

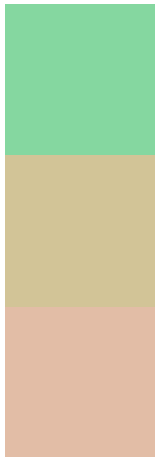


This preview shows how white text looks on a background with the Yxy color 56.1255, 0.2913, 0.4055.

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

56.1255, 0.2913, 0.4055

Protanopia

55.4159, 0.3591, 0.3833

Deuteranopia

55.3171, 0.3629, 0.3556



Tritanopia

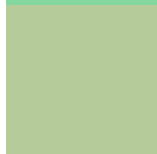
56.1564, 0.2620, 0.3086

Trichromacy



Original Color

56.1255, 0.2913, 0.4055



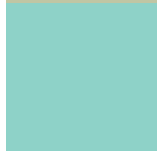
Protanomaly

54.9900, 0.3315, 0.3922



Deuteranomaly

54.2750, 0.3332, 0.3719



Tritanomaly

56.0141, 0.2725, 0.3421

Monochromacy



Original Color

56.1255, 0.2913, 0.4055



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

50.1247, 0.3036, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1255, 0.2913, 0.4055 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(133, 215, 160)` looks like.

```
.text, #text, p{  
    color:rgb(133, 215, 160)  
}
```

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(133, 215, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 215, 160) }
```

Border

The CSS property to change the border of an element to Yxy 56.1255, 0.2913, 0.4055 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(133, 215, 160) }
```

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

```
.border{ border-color:rgb(133, 215, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 215, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 215, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 215, 160);  
box-shadow:4px 4px 4px 4px rgb(133, 215,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1255, 0.2913, 0.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 215, 160) }
```

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

```
.background{ background-color: rgb(133,  
215, 160) }
```

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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