

Converting Colors

$Yxy(56.3805, 0.2936, 0.3912)$

Have a look what the booklet for
Yxy(56.3805, 0.2936, 0.3912)
contains.

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Color

Yxy(56.3078, 0.2940, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	90D5A7
RGB	144, 213, 167
RGB Percent	56%, 84%, 65%
CMY	0.4352, 0.1647, 0.3450
CMYK	0.32, 0.00, 0.22, 0.16
HSL	140°, 45%, 70%
HSV	140°, 32%, 84%
XYZ	42.2740, 56.3078, 45.2073
YIQ	187.1250, -26.3580, -28.9340

Conversions

Conversions Part 2

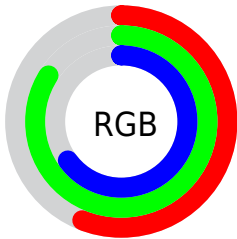
Format	Color
RYB	144, 196, 213
Decimal	9491879
CIELab	79.79, -31.22, 15.95
CIELCh	80, 35.056, 152.937
Yxy	56.3078, 0.2940, 0.3916
Android (android.graphics.Color)	4287681959 (0xFF90D5A7)
YUV	187.1250, -9.9216, -37.8206
Hunter-Lab	75.0385, -30.7570, 16.8074

Details

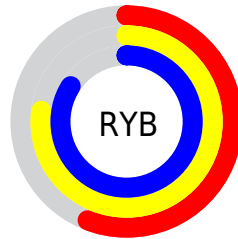
The Yxy color **56.3078, 0.2940, 0.3916** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.8154, 0.3383, 0.2739**, and the grayscale version is **49.8400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9360, 0.2973, 0.3647**, and **27.9157, 0.2882, 0.4098** is the 20% darker color. If you saturate the color by 10%, you get **54.0727, 0.2891, 0.4152**, and if you desaturate by 10%, it is **58.9671, 0.2995, 0.3699**.

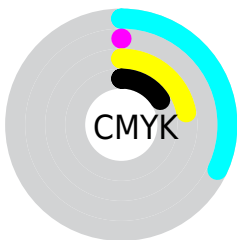
Distribution



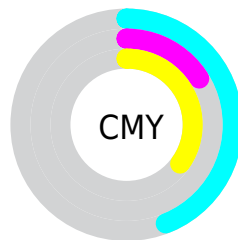
- Red (56%)
- Green (84%)
- Blue (65%)



- Red (56%)
- Yellow (77%)
- Blue (84%)



- Cyan (32%)
- Magenta (0%)
- Yellow (22%)
- Black (16%)



- Cyan (44%)
- Magenta (16%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3078, 0.2940, 0.3916 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 56.3078, 0.2940, 0.3916 by changing the saturation by 10% instead.


 56.3078, 0.2940,
0.3916


 56.3078, 0.2940,
0.3916


410.8504, 0.3037,
0.3600

 40.4498, 0.2915,
0.3996


 99.4545, 0.2976,
0.3801

 27.8894, 0.2882,
0.4098


 127.5119, 0.2989,
0.3757

 18.2423, 0.2837,
0.4236


160.4046, 0.3000,
0.3721

 11.1241, 0.2773,
0.4428

198.5169, 0.3010,
0.3690

 6.1504, 0.2674,
0.4716

242.2332, 0.3018,
0.3663

 2.9367, 0.2504,
0.5191

291.9380, 0.3025,

 1.0988, 0.1871,

0.3639

0.7675

348.0156, 0.3031,
0.3618

0.0000, 0.0000,
0.0000

56.3078, 0.2940,
0.3916

56.3078, 0.2940,
0.3916

54.0727, 0.2891,
0.4152

58.9671, 0.2995,
0.3699

52.2325, 0.2852,
0.4402

62.0641, 0.3053,
0.3503

50.7652, 0.2825,
0.4660


65.6203, 0.3113,
0.3329

49.6436, 0.2814,
0.4917


69.6539, 0.3172,
0.3174

48.8367, 0.2821,
0.5161

74.1818, 0.3230,
0.3039

 48.3074, 0.2844,
0.5382

 75.8900, 0.3165,
0.2907

 48.0439, 0.2869,
0.5529

 76.0687, 0.3146,
0.2881

Harmonies

Analogous

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



56.3078, 0.3395, 0.4117



56.3078, 0.2940, 0.3916



56.3078, 0.2554, 0.3505

Triad

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



56.3078, 0.2940, 0.3916



56.3078, 0.2468, 0.2563



56.3078, 0.3999, 0.3422

Complementary

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



56.3078, 0.2940, 0.3916



37.8154, 0.3383, 0.2739

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.



56.3078, 0.3714, 0.3061



56.3078, 0.2940, 0.3916



56.3078, 0.2813, 0.2585

Square

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



56.3078, 0.2940, 0.3916



56.3078, 0.2298, 0.2721



56.3078, 0.3269, 0.2764



56.3078, 0.4025, 0.3780

Rectangle

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



56.3078, 0.2940, 0.3916



56.3078, 0.2381, 0.3198



56.3078, 0.3269, 0.2764



56.3078, 0.3930, 0.3299

Sweetspot

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



56.3101, 0.2940, 0.3916



94.4336, 0.3067, 0.3462



60.5507, 0.3428, 0.4146



20.0576, 0.3058, 0.3487



0.0000, 0.0000, 0.0000



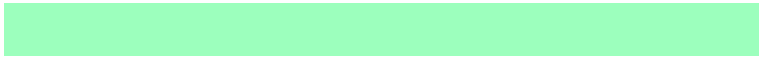
21.4041, 0.3127, 0.3290

Same Dimension

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



56.3101, 0.2940, 0.3916



82.2046, 0.2905, 0.4080



57.7602, 0.2733, 0.3439



13.9636, 0.3071, 0.3449



29.3643, 0.2862, 0.5502



1.7863, 0.2763, 0.5146

Inverse Universe

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



37.8154, 0.3383, 0.2739



50.1516, 0.3457, 0.2618



36.4815, 0.3744, 0.3149



12.5590, 0.3188, 0.3136



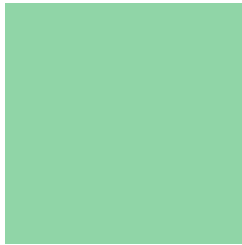
9.8534, 0.4267, 0.2124



0.6094, 0.4039, 0.1998

Previews

White Background



This preview shows how the Yxy color 56.3078, 0.2940, 0.3916 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 56.3078, 0.2940, 0.3916 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

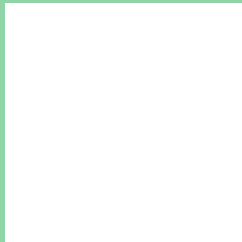
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.3078, 0.2940, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 56.3078, 0.2940, 0.3916.

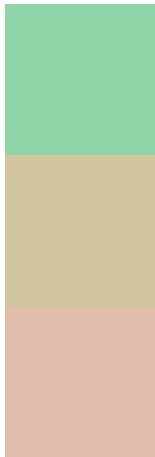


This preview shows how white text looks on a background with the Yxy color 56.3078, 0.2940, 0.3916.

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

56.3078, 0.2940, 0.3916

Protanopia

55.9910, 0.3516, 0.3749

Deuteranopia

55.8130, 0.3567, 0.3499



Tritanopia

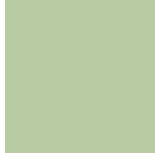
56.3851, 0.2671, 0.3088

Trichromacy



Original Color

56.3078, 0.2940, 0.3916



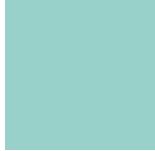
Protanomaly

55.6348, 0.3282, 0.3813



Deuteranomaly

55.0262, 0.3320, 0.3638



Tritanomaly

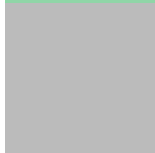
56.4445, 0.2768, 0.3380

Monochromacy



Original Color

56.3078, 0.2940, 0.3916



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

51.4331, 0.3047, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3078, 0.2940, 0.3916 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(144, 213, 167)` looks like.

```
.text, #text, p{  
    color:rgb(144, 213, 167)  
}
```

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(144, 213, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 213, 167) }
```

Border

The CSS property to change the border of an element to Yxy 56.3078, 0.2940, 0.3916 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(144, 213, 167) }
```

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

```
.border{ border-color:rgb(144, 213, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 213, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 213, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 213, 167);  
box-shadow:4px 4px 4px 4px rgb(144, 213,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3078, 0.2940, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 213, 167) }
```

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

```
.background{ background-color: rgb(144,  
213, 167) }
```

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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