

Converting Colors

$Yxy(55.9939, 0.2961, 0.3952)$

Have a look what the booklet for
Yxy(55.9939, 0.2961, 0.3952)
contains.

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Color

Yxy(56.1981, 0.2959, 0.3959)

Conversions

Conversions Part 1

Format	Color
Hex	90D5A4
RGB	144, 213, 164
RGB Percent	56%, 84%, 64%
CMY	0.4351, 0.1647, 0.3569
CMYK	0.32, 0.00, 0.23, 0.16
HSL	137°, 45%, 70%
HSV	137°, 32%, 84%
XYZ	42.0031, 56.1981, 43.7491
YIQ	186.7830, -25.3950, -29.8670

Conversions

Conversions Part 2

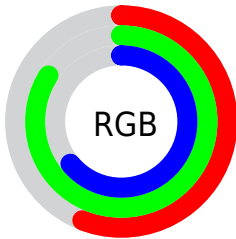
Format	Color
RYB	144, 197, 213
Decimal	9491876
CIELab	79.73, -31.77, 17.46
CIELCh	80, 36.251, 151.200
Yxy	56.1981, 0.2959, 0.3959
Android (android.graphics.Color)	4287681956 (0xFF90D5A4)
YUV	186.7830, -11.2320, -37.5207
Hunter-Lab	74.9654, -31.1760, 17.8747

Details

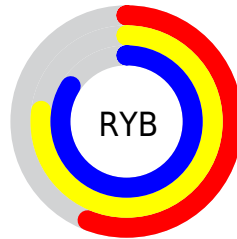
The Yxy color **56.1981, 0.2959, 0.3959** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.9628, 0.3353, 0.2705**, and the grayscale version is **49.6478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7766, 0.2989, 0.3680**, and **27.8477, 0.2906, 0.4157** is the 20% darker color. If you saturate the color by 10%, you get **53.9442, 0.2915, 0.4211**, and if you desaturate by 10%, it is **58.8837, 0.3009, 0.3727**.

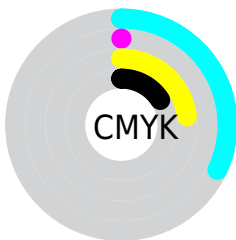
Distribution



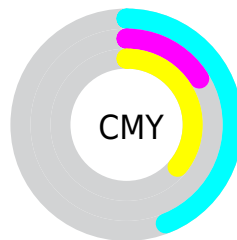
- Red (56%)
- Green (84%)
- Blue (64%)



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



- Cyan (32%)
- Magenta (0%)
- Yellow (23%)
- Black (16%)





- Cyan (44%)
- Magenta (16%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.1981, 0.2959, 0.3959 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 56.1981, 0.2959, 0.3959 by changing the saturation by 10% instead.

 56.1981, 0.2959,
0.3959

 56.1981, 0.2959,
0.3959


410.4376, 0.3048,
0.3621

 40.3618, 0.2936,
0.4045

 99.2942, 0.2992,
0.3835

 27.8207, 0.2905,
0.4155


 127.3227, 0.3004,
0.3789

 18.1906, 0.2862,
0.4302


160.1841, 0.3015,
0.3750

 11.0869, 0.2801,
0.4510

198.2627, 0.3023,
0.3717

 6.1253, 0.2704,
0.4820

241.9430, 0.3031,
0.3688

 2.9214, 0.2534,
0.5331

291.6093, 0.3037,

 1.0908, 0.1852,

0.3663

0.8148

347.6460, 0.3043,
0.3640

■ 0.0000, 0.0000,
0.0000

■ 56.1981, 0.2959,
0.3959

■ 56.1981, 0.2959,
0.3959

■ 53.9442, 0.2915,
0.4211

■ 58.8837, 0.3009,
0.3727

■ 52.0923, 0.2879,
0.4478

■ 62.0149, 0.3061,
0.3517

■ 50.6199, 0.2856,
0.4752


■ 65.6136, 0.3115,
0.3331


■ 49.4993, 0.2846,
0.5021

■ 69.6982, 0.3167,
0.3167


■ 48.6990, 0.2853,
0.5273

■ 74.2861, 0.3219,
0.3023

 48.1813, 0.2876,
0.5494

 76.0556, 0.3147,
0.2882

 47.9292, 0.2899,
0.5637

 76.0660, 0.3146,
0.2881

Harmonies

Analogous

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



56.1981, 0.3430, 0.4150



56.1981, 0.2959, 0.3959



56.1981, 0.2553, 0.3539

Triad

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



56.1981, 0.2959, 0.3959



56.1981, 0.2431, 0.2544



56.1981, 0.4019, 0.3402

Complementary

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



56.1981, 0.2959, 0.3959



37.9628, 0.3353, 0.2705

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.



56.1981, 0.3711, 0.3033



56.1981, 0.2959, 0.3959



56.1981, 0.2777, 0.2557

Square

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



56.1981, 0.2959, 0.3959



56.1981, 0.2268, 0.2717



56.1981, 0.3244, 0.2732



56.1981, 0.4062, 0.3774

Rectangle

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



56.1981, 0.2959, 0.3959



56.1981, 0.2369, 0.3221



56.1981, 0.3244, 0.2732



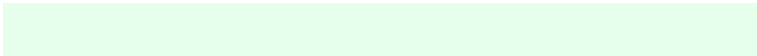
56.1981, 0.3942, 0.3275

Sweetspot

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



56.2004, 0.2959, 0.3959



94.3673, 0.3073, 0.3473



60.9998, 0.3455, 0.4137



20.0416, 0.3066, 0.3501



0.0000, 0.0000, 0.0000



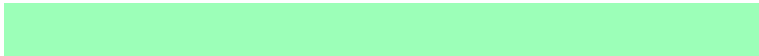
21.4041, 0.3127, 0.3290

Same Dimension

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



56.2004, 0.2959, 0.3959



82.0165, 0.2927, 0.4135



57.6005, 0.2753, 0.3485



13.9544, 0.3077, 0.3460



29.2943, 0.2892, 0.5612



1.7812, 0.2794, 0.5260

Inverse Universe

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



37.9628, 0.3353, 0.2705



50.3908, 0.3417, 0.2577



36.6126, 0.3706, 0.3107



12.5686, 0.3181, 0.3126



10.0328, 0.4099, 0.2032



0.6192, 0.3910, 0.1928

Previews

White Background



This preview shows how the Yxy color 56.1981, 0.2959, 0.3959 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 56.1981, 0.2959, 0.3959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

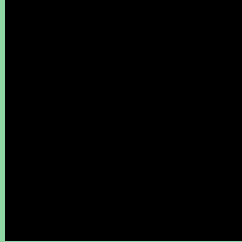
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.1981, 0.2959, 0.3959

Background



This preview shows how black text looks on a background with the Yxy color 56.1981, 0.2959, 0.3959.



This preview shows how white text looks on a background with the Yxy color 56.1981, 0.2959, 0.3959.

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

56.1981, 0.2959, 0.3959

Protanopia

55.4355, 0.3543, 0.3774

Deuteranopia

55.4285, 0.3604, 0.3522



Tritanopia

56.0045, 0.2676, 0.3076

Trichromacy



Original Color

56.1981, 0.2959, 0.3959



Protanomaly

55.0586, 0.3305, 0.3840



Deuteranomaly

54.9139, 0.3343, 0.3676



Tritanomaly

56.0042, 0.2779, 0.3380

Monochromacy



Original Color

56.1981, 0.2959, 0.3959



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

51.3925, 0.3054, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1981, 0.2959, 0.3959 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(144, 213, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 213, 164) }
```

Border

The CSS property to change the border of an element to Yxy 56.1981, 0.2959, 0.3959 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, 164) }
```

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

```
.border{ border-color:rgb(144, 213, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 213, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 213, 164);  
box-shadow:4px 4px 4px 4px rgb(144, 213,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1981, 0.2959, 0.3959 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, 164) }
```

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

```
.background{ background-color: rgb(144,  
213, 164) }
```

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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