

Converting Colors

Yxy(56.7296, 0.3355, 0.4869)

Have a look what the booklet for
Yxy(56.7296, 0.3355, 0.4869)
contains.

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Color

Yxy(56.7296, 0.3355, 0.4869)

Conversions

Conversions Part 1

Format	Color
Hex	93D963
RGB	147, 217, 99
RGB Percent	58%, 85%, 39%
CMY	0.4238, 0.1490, 0.6118
CMYK	0.32, 0.00, 0.54, 0.15
HSL	96°, 61%, 62%
HSV	96°, 54%, 85%
XYZ	39.0897, 56.7296, 20.6925
YIQ	182.6180, -3.8420, -51.5380

Conversions

Conversions Part 2

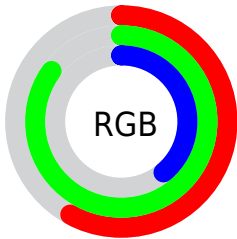
Format	Color
RYB	99, 217, 169
Decimal	9689443
CIELab	80.03, -42.08, 50.58
CIElCh	80, 65.794, 129.760
Yxy	56.7296, 0.3355, 0.4869
Android (android.graphics.Color)	4287879523 (0xFF93D963)
YUV	182.6180, -41.2237, -31.2370
Hunter-Lab	75.3191, -39.1689, 36.4345

Details

The Yxy color **56.7296, 0.3355, 0.4869** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **22.3764, 0.2692, 0.1805**, and the grayscale version is **47.3597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6573, 0.3381, 0.4412**, and **28.3132, 0.3348, 0.5317** is the 20% darker color. If you saturate the color by 10%, you get **55.2466, 0.3362, 0.5159**, and if you desaturate by 10%, it is **58.4625, 0.3332, 0.4560**.

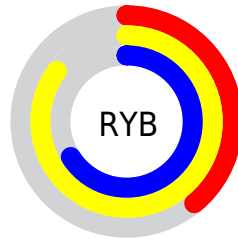
Distribution



Red (58%)

Green (85%)

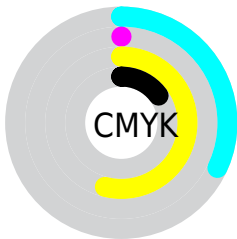
Blue (39%)



Red (39%)

Yellow (85%)

Blue (66%)

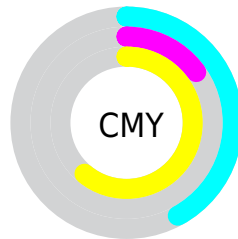


Cyan (32%)

Magenta (0%)

Yellow (54%)

Black (15%)



Cyan (42%)


Magenta (15%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7296, 0.3355, 0.4869 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 56.7296, 0.3355, 0.4869 by changing the saturation by 10% instead.


 56.7296, 0.3355,
0.4869

 56.7296, 0.3355,
0.4869


412.4353, 0.3288,
0.4066


 40.7882, 0.3355,
0.5066


 100.0705, 0.3343,
0.4578


 28.1536, 0.3345,
0.5315


 128.2388, 0.3334,
0.4468

 18.4415, 0.3313,
0.5634


 161.2516, 0.3326,
0.4375

 11.2674, 0.3238,
0.6050

 199.4931, 0.3318,
0.4296

 6.2470, 0.3145,
0.6765

243.3479, 0.3309,
0.4227

 2.9958, 0.2691,
0.7309

293.2002, 0.3302,

 1.1296, 0.0241,

0.4166

0.9759

349.4346, 0.3295,
0.4113

0.0030, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

56.7296, 0.3355,
0.4869

56.7296, 0.3355,
0.4869

55.2466, 0.3362,
0.5159

58.4625, 0.3332,
0.4560

53.9925, 0.3351,
0.5412


60.4501, 0.3296,
0.4248

52.9546, 0.3320,
0.5612


62.7064, 0.3252,
0.3945


52.1150, 0.3272,
0.5751


65.2419, 0.3202,
0.3660


 51.7162, 0.3241,
0.5809

 68.0666, 0.3150,
0.3397

 71.1900, 0.3098,
0.3159

 74.6212, 0.3047,
0.2946

 77.1819, 0.3110,
0.2916

 78.1135, 0.3145,
0.2920

Harmonies

Analogous

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



56.7296, 0.4129, 0.4715



56.7296, 0.3355, 0.4869



56.7296, 0.2563, 0.4378

Triad

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



56.7296, 0.3355, 0.4869



56.7296, 0.1736, 0.2165



56.7296, 0.4385, 0.2981

Complementary

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



56.7296, 0.3355, 0.4869



22.3764, 0.2692, 0.1805

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.



56.7296, 0.3566, 0.2472



56.7296, 0.3355, 0.4869



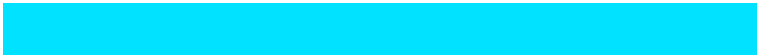
56.7296, 0.2074, 0.2015

Square

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



56.7296, 0.3355, 0.4869



56.7296, 0.1696, 0.2638



56.7296, 0.2708, 0.2131



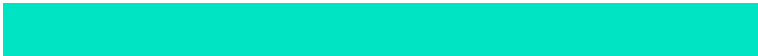
56.7296, 0.4806, 0.3578

Rectangle

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



56.7296, 0.3355, 0.4869



56.7296, 0.2135, 0.3775



56.7296, 0.2708, 0.2131



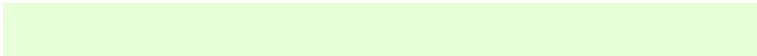
56.7296, 0.4140, 0.2798

Sweetspot

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



56.7321, 0.3355, 0.4869



93.3368, 0.3211, 0.3709



43.6014, 0.4219, 0.4102



19.8115, 0.3221, 0.3767



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.



56.7321, 0.3355, 0.4869



79.3721, 0.3362, 0.5192



53.3865, 0.2998, 0.4893



14.8631, 0.3177, 0.3527



31.3595, 0.3251, 0.5800



2.0811, 0.3381, 0.5698

Inverse Universe

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



22.3764, 0.2692, 0.1805



25.0551, 0.2570, 0.1522



28.1910, 0.3291, 0.2091



12.9974, 0.3073, 0.3055



5.9136, 0.2222, 0.0998



0.4329, 0.2380, 0.1085

Previews

White Background



This preview shows how the Yxy color 56.7296, 0.3355, 0.4869 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 56.7296, 0.3355, 0.4869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

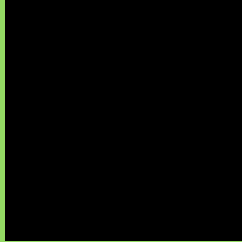
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.7296, 0.3355, 0.4869

Background



This preview shows how black text looks on a background with the Yxy color 56.7296, 0.3355, 0.4869.



This preview shows how white text looks on a background with the Yxy color 56.7296, 0.3355, 0.4869.

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

56.7296, 0.3355, 0.4869

Protanopia

56.2385, 0.4074, 0.4459

Deuteranopia

55.9052, 0.4246, 0.4146



Tritanopia

56.4600, 0.2750, 0.3091

Trichromacy



Original Color

56.7296, 0.3355, 0.4869



Protanomaly

55.8263, 0.3796, 0.4618



Deuteranomaly

55.1117, 0.3894, 0.4411



Tritanomaly

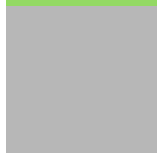
56.1064, 0.2984, 0.3726

Monochromacy



Original Color

56.7296, 0.3355, 0.4869



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.8433, 0.3244, 0.3872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7296, 0.3355, 0.4869 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(147, 217, 99)` looks like.

```
.text, #text, p{  
    color:rgb(147, 217, 99)  
}
```

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(147, 217, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 217, 99) }
```

Border

The CSS property to change the border of an element to Yxy 56.7296, 0.3355, 0.4869 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(147, 217, 99) }
```

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

```
.border{ border-color:rgb(147, 217, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 217, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 217, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 217, 99);  
box-shadow:4px 4px 4px 4px rgb(147, 217,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7296, 0.3355, 0.4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 217, 99) }
```

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

```
.background{ background-color: rgb(147,  
217, 99) }
```

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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