

Converting Colors

Yxy(53.9435, 0.3516, 0.4922)

Have a look what the booklet for
Yxy(53.9435, 0.3516, 0.4922)
contains.

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Color

Yxy(53.8330, 0.3512, 0.4919)

Conversions

Conversions Part 1

Format	Color
Hex	9CD256
RGB	156, 210, 86
RGB Percent	61%, 82%, 34%
CMY	0.3883, 0.1764, 0.6627
CMYK	0.26, 0.00, 0.59, 0.18
HSL	86°, 58%, 58%
HSV	86°, 59%, 82%
XYZ	38.4349, 53.8330, 17.1710
YIQ	179.7180, 7.6200, -50.0120

Conversions

Conversions Part 2

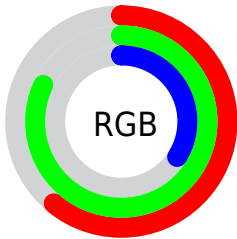
Format	Color
RYB	86, 210, 140
Decimal	10277462
CIELab	78.36, -37.00, 54.64
CIELCh	78, 65.991, 124.103
Yxy	53.8330, 0.3512, 0.4919
Android (android.graphics.Color)	4288467542 (0xFF9CD256)
YUV	179.7180, -46.2030, -20.8007
Hunter-Lab	73.3710, -34.8931, 37.4841

Details

The Yxy color **53.8330, 0.3512, 0.4919** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **16.8893, 0.2443, 0.1600**, and the grayscale version is **45.7323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5596, 0.3509, 0.4522**, and **26.3031, 0.3534, 0.5366** is the 20% darker color. If you saturate the color by 10%, you get **52.6665, 0.3532, 0.5166**, and if you desaturate by 10%, it is **55.1724, 0.3472, 0.4644**.

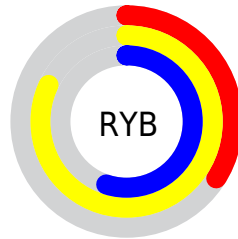
Distribution



Red (61%)

Green (82%)

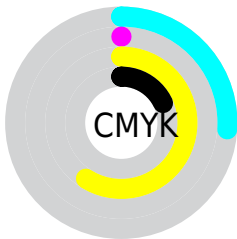
Blue (34%)



Red (34%)

Yellow (82%)

Blue (55%)

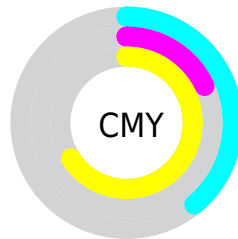


Cyan (26%)

Magenta (0%)

Yellow (59%)

Black (18%)



Cyan (39%)


Magenta (18%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8330, 0.3512, 0.4919 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 53.8330, 0.3512, 0.4919 by changing the saturation by 10% instead.


 53.8330, 0.3512,
0.4919

 53.8330, 0.3512,
0.4919


401.4729, 0.3373,
0.4095

 38.4682, 0.3526,
0.5118


 95.8290, 0.3477,
0.4622

 26.3462, 0.3530,
0.5366


 123.2290, 0.3459,
0.4510

 17.0828, 0.3513,
0.5678


 155.4094, 0.3442,
0.4414

 10.2936, 0.3449,
0.6076

 192.7547, 0.3426,
0.4332

 5.5940, 0.3327,
0.6673

235.6494, 0.3411,
0.4261

 2.5998, 0.2864,
0.7136

284.4777, 0.3397,

 0.9266, 0.0000,

0.4198

1.0000

339.6240, 0.3385,
0.4144

0.0000, 0.0000,
0.0000

53.8330, 0.3512,
0.4919

53.8330, 0.3512,
0.4919

52.6665, 0.3532,
0.5166

55.1724, 0.3472,
0.4644

51.6553, 0.3529,
0.5372

56.6870, 0.3416,
0.4355

50.7897, 0.3503,
0.5527

58.3877, 0.3348,
0.4064

50.0506, 0.3457,
0.5632

60.2824, 0.3274,
0.3782

49.9843, 0.3452,
0.5641

62.3784, 0.3197,
0.3515

■ 64.6826, 0.3120,
0.3267

■ 67.2015, 0.3044,
0.3041

■ 69.9415, 0.2972,
0.2835

■ 71.5512, 0.3030,
0.2835

Harmonies

Analogous

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



53.8330, 0.4273, 0.4656



53.8330, 0.3512, 0.4919



53.8330, 0.2693, 0.4548

Triad

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



53.8330, 0.3512, 0.4919



53.8330, 0.1683, 0.2207



53.8330, 0.4274, 0.2867

Complementary

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



53.8330, 0.3512, 0.4919



16.8893, 0.2443, 0.1600

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.



53.8330, 0.3400, 0.2377



53.8330, 0.3512, 0.4919



53.8330, 0.1967, 0.2000

Square

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



53.8330, 0.3512, 0.4919



53.8330, 0.1699, 0.2755



53.8330, 0.2555, 0.2070



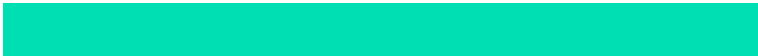
53.8330, 0.4801, 0.3461

Rectangle

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



53.8330, 0.3512, 0.4919



53.8330, 0.2225, 0.3970



53.8330, 0.2555, 0.2070



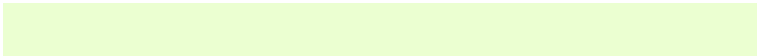
53.8330, 0.4003, 0.2688

Sweetspot

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



53.8354, 0.3512, 0.4919



93.7910, 0.3268, 0.3759



33.0560, 0.4484, 0.3942



19.8815, 0.3290, 0.3840



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.



53.8354, 0.3512, 0.4919



81.2581, 0.3534, 0.5227



49.1632, 0.3083, 0.5160



13.5306, 0.3200, 0.3524



30.5478, 0.3462, 0.5633



1.7545, 0.3593, 0.5529

Inverse Universe

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



16.8893, 0.2443, 0.1600



18.8665, 0.2256, 0.1267



23.8314, 0.3101, 0.1883



11.6660, 0.3049, 0.3054



4.2675, 0.1911, 0.0827



0.2851, 0.2120, 0.0942

Previews

White Background



This preview shows how the Yxy color 53.8330, 0.3512, 0.4919 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 53.8330, 0.3512, 0.4919 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 53.8330, 0.3512, 0.4919

Background



This preview shows how black text looks on a background with the Yxy color 53.8330, 0.3512, 0.4919.



This preview shows how white text looks on a background with the Yxy color 53.8330, 0.3512, 0.4919.

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

53.8330, 0.3512, 0.4919

Protanopia

53.1811, 0.4143, 0.4536

Deuteranopia

53.2484, 0.4336, 0.4247



Tritanopia

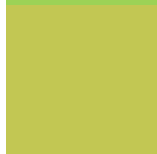
53.6208, 0.2836, 0.3090

Trichromacy



Original Color

53.8330, 0.3512, 0.4919



Protanomaly

52.9407, 0.3906, 0.4675



Deuteranomaly

52.2880, 0.4028, 0.4488



Tritanomaly

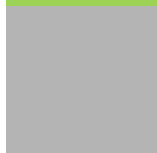
53.2466, 0.3105, 0.3755

Monochromacy



Original Color

53.8330, 0.3512, 0.4919



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

47.9949, 0.3304, 0.3904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8330, 0.3512, 0.4919 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(156, 210, 86)` looks like.

```
.text, #text, p{  
    color:rgb(156, 210, 86)  
}
```

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(156, 210, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 210, 86) }
```

Border

The CSS property to change the border of an element to Yxy 53.8330, 0.3512, 0.4919 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(156, 210, 86) }
```

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

```
.border{ border-color:rgb(156, 210, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 210, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 210, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 210, 86);  
box-shadow:4px 4px 4px 4px rgb(156, 210,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8330, 0.3512, 0.4919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 210, 86) }
```

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

```
.background{ background-color: rgb(156,  
210, 86) }
```

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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