

Converting Colors

Yxy(53.4079, 0.3589, 0.5119)

Have a look what the booklet for
Yxy(53.4079, 0.3589, 0.5119)
contains.

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Color

Yxy(53.3566, 0.3585, 0.5121)

Conversions

Conversions Part 1

Format	Color
Hex	9AD242
RGB	154, 210, 66
RGB Percent	60%, 82%, 26%
CMY	0.3962, 0.1764, 0.7412
CMYK	0.27, 0.00, 0.69, 0.18
HSL	83°, 62%, 54%
HSV	83°, 69%, 82%
XYZ	37.3527, 53.3566, 13.4824
YIQ	176.8400, 12.8480, -56.6560

Conversions

Conversions Part 2

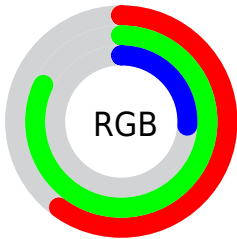
Format	Color
RYB	66, 210, 122
Decimal	10146370
CIELab	78.09, -39.30, 62.53
CIELCh	78, 73.855, 122.149
Yxy	53.3566, 0.3585, 0.5121
Android (android.graphics.Color)	4288336450 (0xFF9AD242)
YUV	176.8400, -54.6441, -20.0307
Hunter-Lab	73.0456, -36.5517, 40.1885

Details

The Yxy color **53.3566, 0.3585, 0.5121** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **12.6886, 0.2237, 0.1314**, and the grayscale version is **44.1636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8975, 0.3594, 0.4707**, and **26.0394, 0.3570, 0.5547** is the 20% darker color. If you saturate the color by 10%, you get **52.3806, 0.3590, 0.5320**, and if you desaturate by 10%, it is **54.4828, 0.3557, 0.4881**.

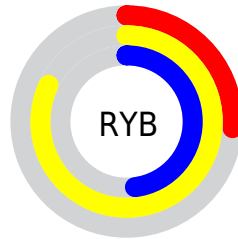
Distribution



Red (60%)

Green (82%)

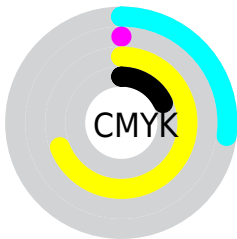
Blue (26%)



Red (26%)

Yellow (82%)

Blue (48%)

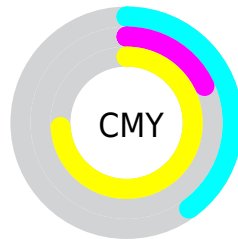


Cyan (27%)

Magenta (0%)

Yellow (69%)

Black (18%)



Cyan (40%)


Magenta (18%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3566, 0.3585, 0.5121 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 53.3566, 0.3585, 0.5121 by changing the saturation by 10% instead.


 53.3566, 0.3585,
0.5121

 53.3566, 0.3585,
0.5121


399.6518, 0.3429,
0.4202

 38.0875, 0.3595,
0.5337


 95.1289, 0.3549,
0.4794


 26.0506, 0.3589,
0.5600


 122.4009, 0.3529,
0.4669


 16.8615, 0.3551,
0.5921


 154.4427, 0.3510,
0.4562

 10.1358, 0.3484,
0.6378

 191.6386, 0.3492,
0.4469

 5.4891, 0.3217,
0.6783

 234.3731, 0.3474,
0.4389

 2.5370, 0.2720,
0.7280

283.0305, 0.3458,

 0.8951, 0.0000,

0.4319

1.0000

337.9953, 0.3443,
0.4257

0.0000, 0.0000,
0.0000

53.3566, 0.3585,
0.5121

53.3566, 0.3585,
0.5121

52.3806, 0.3590,
0.5320

54.4828, 0.3557,
0.4881

51.5361, 0.3570,
0.5470

55.7621, 0.3508,
0.4613


50.8081, 0.3530,
0.5571

57.2058, 0.3443,
0.4330


50.7105, 0.3523,
0.5584

58.8219, 0.3367,
0.4045

60.6178, 0.3285,
0.3767

 62.6005, 0.3200,
0.3503

 64.7765, 0.3115,
0.3256

 67.1520, 0.3033,
0.3030

 69.7328, 0.2954,
0.2824

Harmonies

Analogous

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



53.3566, 0.4418, 0.4745



53.3566, 0.3585, 0.5121



53.3566, 0.2682, 0.4779

Triad

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



53.3566, 0.3585, 0.5121



53.3566, 0.1538, 0.2113



53.3566, 0.4356, 0.2775

Complementary

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



53.3566, 0.3585, 0.5121



12.6886, 0.2237, 0.1314

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.



53.3566, 0.3358, 0.2258



53.3566, 0.3585, 0.5121



53.3566, 0.1822, 0.1878

Square

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



53.3566, 0.3585, 0.5121



53.3566, 0.1570, 0.2730



53.3566, 0.2436, 0.1942



53.3566, 0.4979, 0.3407

Rectangle

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



53.3566, 0.3585, 0.5121



53.3566, 0.2161, 0.4130



53.3566, 0.2436, 0.1942



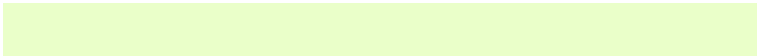
53.3566, 0.4041, 0.2585

Sweetspot

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



53.3590, 0.3585, 0.5121



93.2786, 0.3307, 0.3840



27.8194, 0.4852, 0.3921



19.7974, 0.3330, 0.3917



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.



53.3590, 0.3585, 0.5121



80.6743, 0.3584, 0.5392



48.3209, 0.3102, 0.5434



13.5585, 0.3207, 0.3524



30.9890, 0.3533, 0.5577



1.7778, 0.3654, 0.5481

Inverse Universe

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



12.6886, 0.2237, 0.1314



13.6979, 0.2026, 0.0998



19.9139, 0.3007, 0.1681



11.6387, 0.3042, 0.3054



3.9787, 0.1834, 0.0784



0.2678, 0.2045, 0.0900

Previews

White Background



This preview shows how the Yxy color 53.3566, 0.3585, 0.5121 looks on a white background.

Color Contrast Check

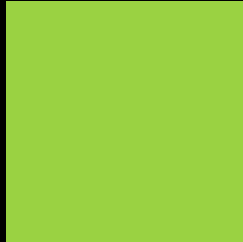
Large Text (above 18pt) WCAG AA × Fail

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 53.3566, 0.3585, 0.5121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

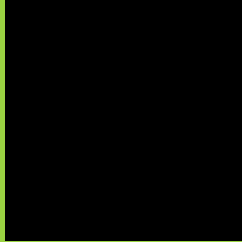
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.3566, 0.3585, 0.5121

Background



This preview shows how black text looks on a background with the Yxy color 53.3566, 0.3585, 0.5121.



This preview shows how white text looks on a background with the Yxy color 53.3566, 0.3585, 0.5121.

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

53.3566, 0.3585, 0.5121

Protanopia

52.9239, 0.4244, 0.4685

Deuteranopia

52.7257, 0.4464, 0.4375



Tritanopia

53.0040, 0.2834, 0.3089

Trichromacy



Original Color

53.3566, 0.3585, 0.5121

Protanomaly

52.5432, 0.3995, 0.4846

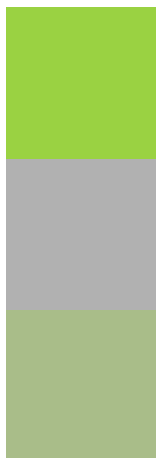
Deuteranomaly

52.0177, 0.4130, 0.4644

Tritanomaly

52.2758, 0.3147, 0.3856

Monochromacy



Original Color

53.3566, 0.3585, 0.5121

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

46.6364, 0.3359, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3566, 0.3585, 0.5121 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(154, 210, 66)` looks like.

```
.text, #text, p{  
    color:rgb(154, 210, 66)  
}
```

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(154, 210, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 210, 66) }
```

Border

The CSS property to change the border of an element to Yxy 53.3566, 0.3585, 0.5121 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(154, 210, 66) }
```

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

```
.border{ border-color:rgb(154, 210, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 210, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 210, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 210, 66);  
box-shadow:4px 4px 4px 4px rgb(154, 210,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3566, 0.3585, 0.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 210, 66) }
```

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

```
.background{ background-color: rgb(154,  
210, 66) }
```

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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