

Converting Colors

$Yxy(55.8518, 0.3741, 0.5075)$

Have a look what the booklet for
Yxy(55.8518, 0.3741, 0.5075)
contains.

Yxy(55.6961, 0.3746, 0.5071)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.6961, 0.3746, 0.5071)

Conversions

Conversions Part 1

Format	Color
Hex	ACD33D
RGB	172, 211, 61
RGB Percent	67%, 83%, 24%
CMY	0.3256, 0.1725, 0.7609
CMYK	0.19, 0.00, 0.71, 0.17
HSL	76°, 63%, 53%
HSV	76°, 71%, 83%
XYZ	41.1433, 55.6961, 12.9932
YIQ	182.2390, 24.9060, -54.9180

Conversions

Conversions Part 2

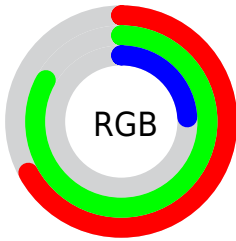
Format	Color
RYB	61, 211, 100
Decimal	11326269
CIELab	79.44, -33.15, 66.09
CIELCh	79, 73.936, 116.639
Yxy	55.6961, 0.3746, 0.5071
Android (android.graphics.Color)	4289516349 (0xFFACD33D)
YUV	182.2390, -59.7708, -8.9796
Hunter-Lab	74.6298, -32.1955, 41.9184

Details

The Yxy color **55.6961, 0.3746, 0.5071** 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 **10.7503, 0.2028, 0.1166**, and the grayscale version is **47.2349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6273, 0.3737, 0.4678**, and **27.4899, 0.3752, 0.5403** is the 20% darker color. If you saturate the color by 10%, you get **54.9058, 0.3765, 0.5233**, and if you desaturate by 10%, it is **56.6065, 0.3702, 0.4866**.

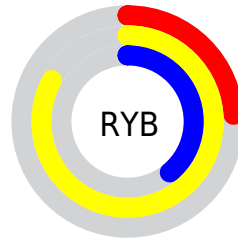
Distribution



Red (67%)

Green (83%)

Blue (24%)



Red (24%)

Yellow (83%)

Blue (39%)

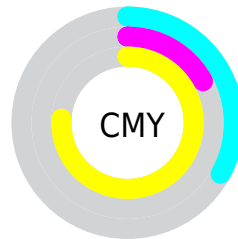


Cyan (19%)

Magenta (0%)

Yellow (71%)

Black (17%)



Cyan (33%)


Magenta (17%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6961, 0.3746, 0.5071 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 55.6961, 0.3746, 0.5071 by changing the saturation by 10% instead.


 55.6961, 0.3746,
0.5071

 55.6961, 0.3746,
0.5071


408.5452, 0.3516,
0.4201


 39.9593, 0.3772,
0.5267


 98.5601, 0.3685,
0.4768


 27.5068, 0.3787,
0.5501


 126.4561, 0.3655,
0.4650

 17.9542, 0.3774,
0.5778


 159.1740, 0.3627,
0.4548

 10.9171, 0.3750,
0.6175

 197.0981, 0.3601,
0.4459

 6.0111, 0.3527,
0.6473

 240.6129, 0.3577,
0.4382

 2.8519, 0.3133,
0.6867

290.1028, 0.3555,

 1.0549, 0.1486,

0.4314

0.8514

345.9521, 0.3535,
0.4254

■ 0.0000, 0.0000,
0.0000

■ 55.6961, 0.3746,
0.5071

■ 55.6961, 0.3746,
0.5071

■ 54.9058, 0.3765,
0.5233

■ 56.6065, 0.3702,
0.4866

■ 54.2165, 0.3759,
0.5348

■ 57.6392, 0.3635,
0.4629

■ 53.6724, 0.3736,
0.5416

■ 58.8052, 0.3551,
0.4369

■ 60.1120, 0.3455,
0.4099

■ 61.5668, 0.3351,
0.3828

■ 63.1758, 0.3245,
0.3566

■ 64.9453, 0.3139,
0.3317

■ 66.8808, 0.3036,
0.3084

■ 68.9877, 0.2938,
0.2870

Harmonies

Analogous

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



55.6961, 0.4534, 0.4622



55.6961, 0.3746, 0.5071



55.6961, 0.2849, 0.4882

Triad

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



55.6961, 0.3746, 0.5071



55.6961, 0.1536, 0.2209



55.6961, 0.4173, 0.2676

Complementary

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



55.6961, 0.3746, 0.5071



10.7503, 0.2028, 0.1166

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.



55.6961, 0.3173, 0.2194



55.6961, 0.3746, 0.5071



55.6961, 0.1760, 0.1912

Square

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



55.6961, 0.3746, 0.5071



55.6961, 0.1629, 0.2898



55.6961, 0.2307, 0.1924



55.6961, 0.4888, 0.3289

Rectangle

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



55.6961, 0.3746, 0.5071



55.6961, 0.2304, 0.4315



55.6961, 0.2307, 0.1924



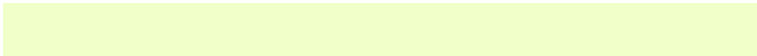
55.6961, 0.3848, 0.2496

Sweetspot

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



55.6986, 0.3746, 0.5071



94.4699, 0.3353, 0.3832



23.0147, 0.5156, 0.3694



20.0822, 0.3382, 0.3907



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.



55.6986, 0.3746, 0.5071



83.7468, 0.3765, 0.5294



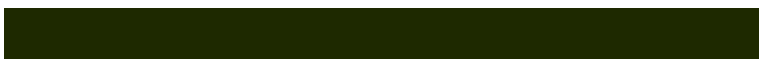
49.5561, 0.3204, 0.5432



13.6364, 0.3226, 0.3522



32.4382, 0.3743, 0.5410



1.8508, 0.3829, 0.5342

Inverse Universe

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



10.7503, 0.2028, 0.1166



11.0373, 0.1803, 0.0849



16.9811, 0.2771, 0.1529



11.5643, 0.3022, 0.3052



3.3695, 0.1661, 0.0689



0.2273, 0.1857, 0.0797

Previews

White Background



This preview shows how the Yxy color 55.6961, 0.3746, 0.5071 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 55.6961, 0.3746, 0.5071 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 55.6961, 0.3746, 0.5071

Background



This preview shows how black text looks on a background with the Yxy color 55.6961, 0.3746, 0.5071.



This preview shows how white text looks on a background with the Yxy color 55.6961, 0.3746, 0.5071.

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

55.6961, 0.3746, 0.5071

Protanopia

55.4436, 0.4271, 0.4715

Deuteranopia

54.9725, 0.4515, 0.4407



Tritanopia

55.4280, 0.2945, 0.3096

Trichromacy



Original Color

55.6961, 0.3746, 0.5071

Protanomaly

55.2431, 0.4081, 0.4847

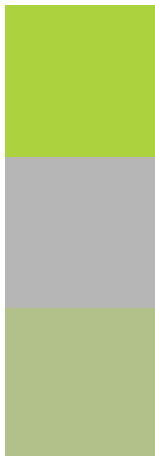
Deuteranomaly

54.3409, 0.4227, 0.4645

Tritanomaly

54.6548, 0.3288, 0.3858

Monochromacy



Original Color

55.6961, 0.3746, 0.5071

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

49.4399, 0.3421, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6961, 0.3746, 0.5071 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(172, 211, 61)` looks like.

```
.text, #text, p{  
    color:rgb(172, 211, 61)  
}
```

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(172, 211, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 211, 61) }
```

Border

The CSS property to change the border of an element to Yxy 55.6961, 0.3746, 0.5071 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(172, 211, 61) }
```

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

```
.border{ border-color:rgb(172, 211, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 211, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 211, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 211, 61);  
box-shadow:4px 4px 4px 4px rgb(172, 211,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6961, 0.3746, 0.5071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 211, 61) }
```

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

```
.background{ background-color: rgb(172,  
211, 61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor