

Converting Colors

$Y_{xy}(53.8903, 0.3772, 0.5054)$

Have a look what the booklet for
Yxy(53.8903, 0.3772, 0.5054)
contains.

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Color

Yxy(53.7225, 0.3773, 0.5049)

Conversions

Conversions Part 1

Format	Color
Hex	ACCF3C
RGB	172, 207, 60
RGB Percent	67%, 81%, 24%
CMY	0.3254, 0.1882, 0.7645
CMYK	0.17, 0.00, 0.71, 0.19
HSL	74°, 60%, 52%
HSV	74°, 71%, 81%
XYZ	40.1456, 53.7225, 12.5342
YIQ	179.7770, 26.3270, -53.1370

Conversions

Conversions Part 2

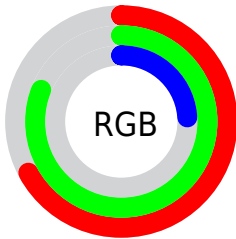
Format	Color
RYB	60, 207, 95
Decimal	11325244
CIELab	78.30, -31.32, 65.29
CIElCh	78, 72.415, 115.623
Yxy	53.7225, 0.3773, 0.5049
Android (android.graphics.Color)	4289515324 (0xFFACCF3C)
YUV	179.7770, -59.0501, -6.8204
Hunter-Lab	73.2956, -30.4991, 41.1678

Details

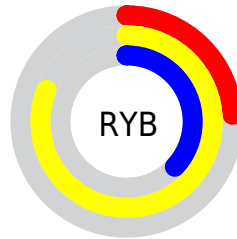
The Yxy color **53.7225, 0.3773, 0.5049** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **10.1759, 0.2004, 0.1158**, and the grayscale version is **45.8335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6039, 0.3742, 0.4686**, and **26.4955, 0.3777, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **52.9996, 0.3796, 0.5207**, and if you desaturate by 10%, it is **54.5565, 0.3724, 0.4849**.

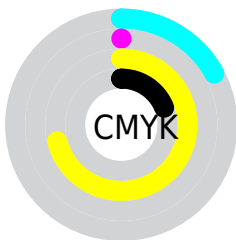
Distribution



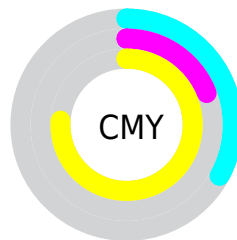
- Red (67%)
- Green (81%)
- Blue (24%)



- Red (24%)
- Yellow (81%)
- Blue (37%)



- Cyan (17%)
- Magenta (0%)
- Yellow (71%)
- Black (19%)




- Cyan (33%)
- Magenta (19%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.7225, 0.3773, 0.5049 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 53.7225, 0.3773, 0.5049 by changing the saturation by 10% instead.


 53.7225, 0.3773,
0.5049


 53.7225, 0.3773,
0.5049


401.0509, 0.3527,
0.4187


 38.3799, 0.3803,
0.5243


 95.6667, 0.3706,
0.4748

 26.2776, 0.3822,
0.5475


 123.0370, 0.3674,
0.4631


 17.0315, 0.3815,
0.5751


 155.1853, 0.3644,
0.4530

 10.2569, 0.3807,
0.6162

 192.4961, 0.3616,
0.4443

 5.5696, 0.3571,
0.6429

 235.3536, 0.3591,
0.4366

 2.5852, 0.3176,
0.6824

284.1423, 0.3568,

 0.9192, 0.1059,

0.4299

0.8941

339.2466, 0.3547,
0.4240

0.0000, 0.0000,
0.0000

53.7225, 0.3773,
0.5049

53.7225, 0.3773,
0.5049

52.9996, 0.3796,
0.5207

54.5565, 0.3724,
0.4849

52.3698, 0.3794,
0.5318


55.5035, 0.3654,
0.4615

51.8667, 0.3775,
0.5385


56.5739, 0.3566,
0.4359


57.7750, 0.3465,
0.4092

59.1133, 0.3358,
0.3824

 60.5950, 0.3247,
0.3562

 62.2257, 0.3138,
0.3314

 64.0107, 0.3032,
0.3082

 65.9552, 0.2931,
0.2867

Harmonies

Analogous

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



53.7225, 0.4547, 0.4594



53.7225, 0.3773, 0.5049



53.7225, 0.2882, 0.4887

Triad

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



53.7225, 0.3773, 0.5049



53.7225, 0.1545, 0.2234



53.7225, 0.4133, 0.2662

Complementary

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



53.7225, 0.3773, 0.5049



10.1759, 0.2004, 0.1158

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.



53.7225, 0.3140, 0.2189



53.7225, 0.3773, 0.5049



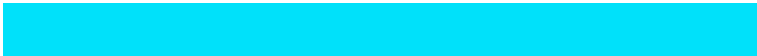
53.7225, 0.1757, 0.1926

Square

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



53.7225, 0.3773, 0.5049



53.7225, 0.1649, 0.2933



53.7225, 0.2290, 0.1928



53.7225, 0.4858, 0.3269

Rectangle

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



53.7225, 0.3773, 0.5049



53.7225, 0.2336, 0.4339



53.7225, 0.2290, 0.1928



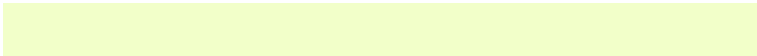
53.7225, 0.3808, 0.2485

Sweetspot

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



53.7249, 0.3773, 0.5049



94.6803, 0.3360, 0.3831



21.6572, 0.5176, 0.3665



20.1327, 0.3391, 0.3905



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.



53.7249, 0.3773, 0.5049



84.4149, 0.3798, 0.5269



47.6180, 0.3220, 0.5417



13.6499, 0.3230, 0.3522



32.7238, 0.3781, 0.5380



1.8647, 0.3860, 0.5317

Inverse Universe

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



10.1759, 0.2004, 0.1158



10.7882, 0.1776, 0.0835



16.0457, 0.2744, 0.1519



11.5516, 0.3018, 0.3052



3.2907, 0.1638, 0.0676



0.2214, 0.1829, 0.0781

Previews

White Background



This preview shows how the Yxy color 53.7225, 0.3773, 0.5049 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 53.7225, 0.3773, 0.5049 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 53.7225, 0.3773, 0.5049

Background



This preview shows how black text looks on a background with the Yxy color 53.7225, 0.3773, 0.5049.



This preview shows how white text looks on a background with the Yxy color 53.7225, 0.3773, 0.5049.

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

53.7225, 0.3773, 0.5049

Protanopia

53.6307, 0.4270, 0.4707

Deuteranopia

52.9974, 0.4513, 0.4406



Tritanopia

53.4347, 0.2972, 0.3094

Trichromacy



Original Color

53.7225, 0.3773, 0.5049

Protanomaly

53.5698, 0.4086, 0.4835

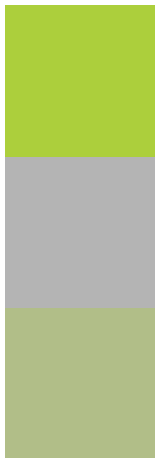
Deuteranomaly

52.6916, 0.4238, 0.4637

Tritanomaly

52.6998, 0.3317, 0.3850

Monochromacy



Original Color

53.7225, 0.3773, 0.5049

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.9516, 0.3435, 0.4018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7225, 0.3773, 0.5049 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, 207, 60)` looks like.

```
.text, #text, p{  
    color:rgb(172, 207, 60)  
}
```

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, 207, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 207, 60) }
```

Border

The CSS property to change the border of an element to Yxy 53.7225, 0.3773, 0.5049 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, 207, 60) }
```

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

```
.border{ border-color:rgb(172, 207, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 207, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 207, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 207, 60);  
box-shadow:4px 4px 4px 4px rgb(172, 207,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7225, 0.3773, 0.5049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 207, 60) }
```

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

```
.background{ background-color: rgb(172,  
207, 60) }
```

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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