

Converting Colors

Yxy(52.4567, 0.3355, 0.5032)

Have a look what the booklet for
Yxy(52.4567, 0.3355, 0.5032)
contains.

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Color

Yxy(52.3953, 0.3352, 0.5029)

Conversions

Conversions Part 1

Format	Color
Hex	87D355
RGB	135, 211, 85
RGB Percent	53%, 83%, 33%
CMY	0.4707, 0.1725, 0.6666
CMYK	0.36, 0.00, 0.60, 0.17
HSL	96°, 59%, 58%
HSV	96°, 60%, 83%
XYZ	34.9233, 52.3953, 16.8678
YIQ	173.9120, -4.8500, -55.2980

Conversions

Conversions Part 2

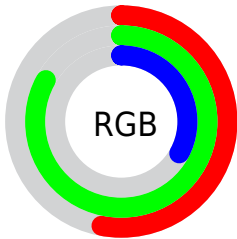
Format	Color
RYB	85, 211, 161
Decimal	8901461
CIELab	77.52, -44.97, 53.82
CIELCh	78, 70.135, 129.879
Yxy	52.3953, 0.3352, 0.5029
Android (android.graphics.Color)	4287091541 (0xFF87D355)
YUV	173.9120, -43.8336, -34.1258
Hunter-Lab	72.3846, -40.5525, 36.8529

Details

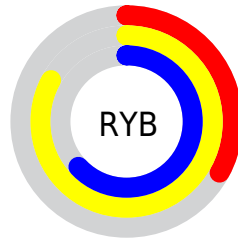
The Yxy color **52.3953, 0.3352, 0.5029** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **18.7825, 0.2649, 0.1674**, and the grayscale version is **42.5102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5905, 0.3374, 0.4592**, and **25.5279, 0.3323, 0.5532** is the 20% darker color. If you saturate the color by 10%, you get **51.1171, 0.3349, 0.5303**, and if you desaturate by 10%, it is **53.9043, 0.3338, 0.4727**.

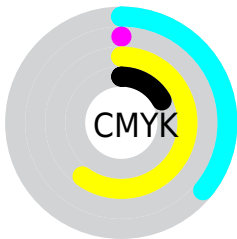
Distribution



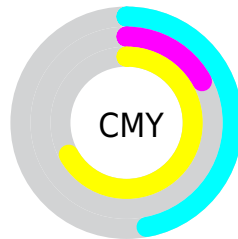
- Red (53%)
- Green (83%)
- Blue (33%)



- Red (33%)
- Yellow (83%)
- Blue (63%)



- Cyan (36%)
- Magenta (0%)
- Yellow (60%)
- Black (17%)





- Cyan (47%)
- Magenta (17%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3953, 0.3352, 0.5029 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 52.3953, 0.3352, 0.5029 by changing the saturation by 10% instead.

 52.3953, 0.3352,
0.5029

 52.3953, 0.3352,
0.5029


395.9608, 0.3295,
0.4133

 37.3203, 0.3345,
0.5251


 93.7140, 0.3347,
0.4702

 25.4556, 0.3322,
0.5531


 120.7264, 0.3340,
0.4579

 16.4168, 0.3268,
0.5889


 152.4867, 0.3333,
0.4476

 9.8196, 0.3152,
0.6356

 189.3793, 0.3325,
0.4387

 5.2795, 0.2946,
0.7054

231.7887, 0.3317,
0.4310

 2.4122, 0.2361,
0.7639

280.0991, 0.3309,

 0.8321, 0.0000,

0.4243

1.0000

334.6950, 0.3302,
0.4185

■ 0.0000, 0.0000,
0.0000

■ 52.3953, 0.3352,
0.5029

■ 52.3953, 0.3352,
0.5029

■ 51.1171, 0.3349,
0.5303

■ 53.9043, 0.3338,
0.4727

■ 50.0493, 0.3326,
0.5531

■ 55.6495, 0.3310,
0.4414

■ 49.1787, 0.3286,
0.5701

■ 57.6446, 0.3271,
0.4105

■ 48.4809, 0.3233,
0.5813

■ 59.9000, 0.3226,
0.3809

■ 48.4627, 0.3231,
0.5816

■ 62.4255, 0.3176,
0.3534

■ 65.2303, 0.3126,
0.3283

■ 68.3232, 0.3075,
0.3057

■ 71.7127, 0.3027,
0.2855

■ 74.0569, 0.3109,
0.2856

Harmonies

Analogous

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



52.3953, 0.4190, 0.4828



52.3953, 0.3352, 0.5029



52.3953, 0.2500, 0.4492

Triad

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



52.3953, 0.3352, 0.5029



52.3953, 0.1635, 0.2070



52.3953, 0.4506, 0.2949

Complementary

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



52.3953, 0.3352, 0.5029



18.7825, 0.2649, 0.1674

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.



52.3953, 0.3605, 0.2409



52.3953, 0.3352, 0.5029



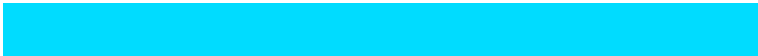
52.3953, 0.1992, 0.1919

Square

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



52.3953, 0.3352, 0.5029



52.3953, 0.1587, 0.2567



52.3953, 0.2670, 0.2045



52.3953, 0.4957, 0.3581

Rectangle

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



52.3953, 0.3352, 0.5029



52.3953, 0.2043, 0.3815



52.3953, 0.2670, 0.2045



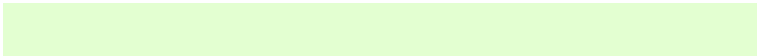
52.3953, 0.4237, 0.2755

Sweetspot

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



52.3976, 0.3352, 0.5029



92.5088, 0.3218, 0.3766



39.8588, 0.4328, 0.4189



19.5697, 0.3232, 0.3850



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.



52.3976, 0.3352, 0.5029



77.9288, 0.3344, 0.5378



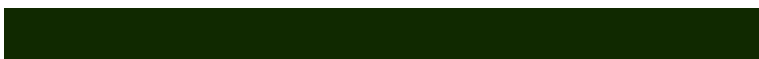
49.3985, 0.2980, 0.5037



13.4317, 0.3175, 0.3526



29.3006, 0.3242, 0.5808



1.6838, 0.3389, 0.5691

Inverse Universe

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



18.7825, 0.2649, 0.1674



21.7451, 0.2508, 0.1375



24.4443, 0.3333, 0.2019



11.7654, 0.3075, 0.3056



5.6370, 0.2245, 0.1011



0.3606, 0.2421, 0.1107

Previews

White Background



This preview shows how the Yxy color 52.3953, 0.3352, 0.5029 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 52.3953, 0.3352, 0.5029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

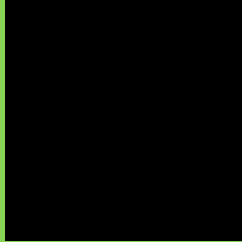
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.3953, 0.3352, 0.5029

Background



This preview shows how black text looks on a background with the Yxy color 52.3953, 0.3352, 0.5029.



This preview shows how white text looks on a background with the Yxy color 52.3953, 0.3352, 0.5029.

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

52.3953, 0.3352, 0.5029

Protanopia

51.8232, 0.4142, 0.4549

Deuteranopia

51.5181, 0.4326, 0.4220



Tritanopia

52.2118, 0.2708, 0.3083

Trichromacy



Original Color

52.3953, 0.3352, 0.5029



Protanomaly

51.1726, 0.3834, 0.4734



Deuteranomaly

50.5967, 0.3947, 0.4509



Tritanomaly

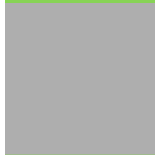
51.7978, 0.2965, 0.3787

Monochromacy



Original Color

52.3953, 0.3352, 0.5029



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

44.9672, 0.3247, 0.3930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3953, 0.3352, 0.5029 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(135, 211, 85)` looks like.

```
.text, #text, p{  
    color:rgb(135, 211, 85)  
}
```

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(135, 211, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 211, 85) }
```

Border

The CSS property to change the border of an element to Yxy 52.3953, 0.3352, 0.5029 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(135, 211, 85) }
```

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

```
.border{ border-color:rgb(135, 211, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 211, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 211, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 211, 85);  
box-shadow:4px 4px 4px 4px rgb(135, 211,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3953, 0.3352, 0.5029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 211, 85) }
```

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

```
.background{ background-color: rgb(135,  
211, 85) }
```

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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