

Converting Colors

Yxy(51.4882, 0.3536, 0.5184)

Have a look what the booklet for
Yxy(51.4882, 0.3536, 0.5184)
contains.

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Color

Yxy(51.4793, 0.3538, 0.5188)

Conversions

Conversions Part 1

Format	Color
Hex	91D03E
RGB	145, 208, 62
RGB Percent	57%, 82%, 24%
CMY	0.4312, 0.1843, 0.7569
CMYK	0.30, 0.00, 0.70, 0.18
HSL	86°, 61%, 53%
HSV	86°, 70%, 82%
XYZ	35.1067, 51.4793, 12.6416
YIQ	172.5190, 9.3180, -58.7620

Conversions

Conversions Part 2

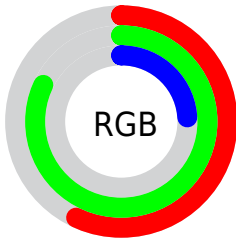
Format	Color
RYB	62, 208, 125
Decimal	9556030
CIELab	76.97, -41.98, 62.72
CIELCh	77, 75.474, 123.794
Yxy	51.4793, 0.3538, 0.5188
Android (android.graphics.Color)	4287746110 (0xFF91D03E)
YUV	172.5190, -54.4859, -24.1342
Hunter-Lab	71.7491, -38.2210, 39.7779

Details

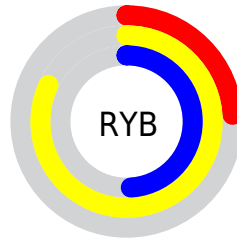
The Yxy color **51.4793, 0.3538, 0.5188** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **12.3548, 0.2273, 0.1303**, and the grayscale version is **41.8145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5245, 0.3547, 0.4765**, and **24.9063, 0.3493, 0.5609** is the 20% darker color. If you saturate the color by 10%, you get **50.5121, 0.3533, 0.5388**, and if you desaturate by 10%, it is **52.6027, 0.3520, 0.4946**.

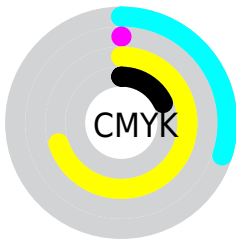
Distribution



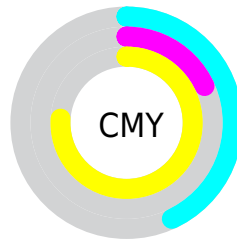
- Red (57%)
- Green (82%)
- Blue (24%)



- Red (24%)
- Yellow (82%)
- Blue (49%)



- Cyan (30%)
- Magenta (0%)
- Yellow (70%)
- Black (18%)




- Cyan (43%)
- Magenta (18%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4793, 0.3538, 0.5188 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 51.4793, 0.3538, 0.5188 by changing the saturation by 10% instead.

 51.4793, 0.3538,
0.5188


 51.4793, 0.3538,
0.5188

392.4231, 0.3408,
0.4226


 36.5902, 0.3540,
0.5416


 92.3629, 0.3513,
0.4844


 24.8904, 0.3522,
0.5696


 119.1261, 0.3497,
0.4712


 15.9954, 0.3467,
0.6038


 150.6162, 0.3480,
0.4600

 9.5209, 0.3390,
0.6561

 187.2175, 0.3464,
0.4504

 5.0825, 0.3054,
0.6946

 229.3145, 0.3449,
0.4420

 2.2957, 0.2489,
0.7511

277.2915, 0.3434,

 0.7714, 0.0000,

0.4347

1.0000

331.5329, 0.3421,
0.4283

■ 0.0000, 0.0000,
0.0000

■ 51.4793, 0.3538,
0.5188

■ 51.4793, 0.3538,
0.5188

■ 50.5121, 0.3533,
0.5388

■ 52.6027, 0.3520,
0.4946

■ 49.6822, 0.3505,
0.5536


■ 53.8859, 0.3481,
0.4674


■ 48.9837, 0.3459,
0.5635


■ 55.3404, 0.3426,
0.4386

■ 56.9744, 0.3359,
0.4096

■ 58.7958, 0.3284,
0.3813

 60.8118, 0.3207,
0.3545

 63.0290, 0.3129,
0.3295

 65.4539, 0.3052,
0.3066

 68.0926, 0.2979,
0.2858

Harmonies

Analogous

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



51.4793, 0.4406, 0.4813



51.4793, 0.3538, 0.5188



51.4793, 0.2614, 0.4793

Triad

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



51.4793, 0.3538, 0.5188



51.4793, 0.1505, 0.2055



51.4793, 0.4446, 0.2791

Complementary

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



51.4793, 0.3538, 0.5188



12.3548, 0.2273, 0.1303

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.



51.4793, 0.3422, 0.2254



51.4793, 0.3538, 0.5188



51.4793, 0.1812, 0.1837

Square

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



51.4793, 0.3538, 0.5188



51.4793, 0.1518, 0.2661



51.4793, 0.2458, 0.1918



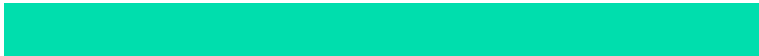
51.4793, 0.5056, 0.3439

Rectangle

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



51.4793, 0.3538, 0.5188



51.4793, 0.2090, 0.4096



51.4793, 0.2458, 0.1918



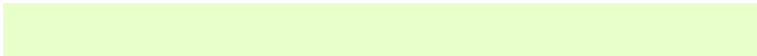
51.4793, 0.4127, 0.2595

Sweetspot

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



51.4816, 0.3538, 0.5188



92.8986, 0.3292, 0.3842



27.8805, 0.4851, 0.3985



19.7068, 0.3314, 0.3921



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.



51.4816, 0.3538, 0.5188



79.4262, 0.3522, 0.5465



46.9208, 0.3075, 0.5494



13.5333, 0.3201, 0.3524



30.5880, 0.3469, 0.5628



1.7567, 0.3598, 0.5525

Inverse Universe

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



12.3548, 0.2273, 0.1303



13.7925, 0.2066, 0.0999



19.7114, 0.3059, 0.1683



11.6634, 0.3048, 0.3054



4.2383, 0.1904, 0.0822



0.2834, 0.2113, 0.0938

Previews

White Background



This preview shows how the Yxy color 51.4793, 0.3538, 0.5188 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 51.4793, 0.3538, 0.5188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

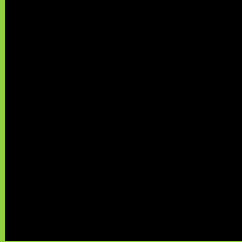
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4793, 0.3538, 0.5188

Background



This preview shows how black text looks on a background with the Yxy color 51.4793, 0.3538, 0.5188.



This preview shows how white text looks on a background with the Yxy color 51.4793, 0.3538, 0.5188.

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

51.4793, 0.3538, 0.5188

Protanopia

51.1194, 0.4259, 0.4702

Deuteranopia

50.9433, 0.4480, 0.4382



Tritanopia

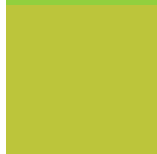
51.1292, 0.2789, 0.3084

Trichromacy



Original Color

51.4793, 0.3538, 0.5188



Protanomaly

50.9396, 0.3982, 0.4888



Deuteranomaly

49.9408, 0.4127, 0.4676



Tritanomaly

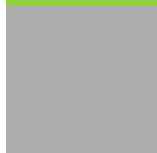
50.4152, 0.3107, 0.3884

Monochromacy



Original Color

51.4793, 0.3538, 0.5188



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.5978, 0.3344, 0.4042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4793, 0.3538, 0.5188 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(145, 208, 62)` looks like.

```
.text, #text, p{  
    color:rgb(145, 208, 62)  
}
```

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(145, 208, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 208, 62) }
```

Border

The CSS property to change the border of an element to Yxy 51.4793, 0.3538, 0.5188 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(145, 208, 62) }
```

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

```
.border{ border-color:rgb(145, 208, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 208, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 208, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 208, 62);  
box-shadow:4px 4px 4px 4px rgb(145, 208,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4793, 0.3538, 0.5188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 208, 62) }
```

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

```
.background{ background-color: rgb(145,  
208, 62) }
```

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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