

Converting Colors

$Y_{xy}(49.7839, 0.3173, 0.5042)$

Have a look what the booklet for
Yxy(49.7839, 0.3173, 0.5042)
contains.

Yxy(49.7839, 0.3173, 0.5042)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.7839, 0.3173, 0.5042)

Conversions

Conversions Part 1

Format	Color
Hex	70D15A
RGB	112, 209, 90
RGB Percent	44%, 82%, 35%
CMY	0.5607, 0.1804, 0.6472
CMYK	0.46, 0.00, 0.57, 0.18
HSL	109°, 56%, 59%
HSV	109°, 57%, 82%
XYZ	31.3297, 49.7839, 17.6248
YIQ	166.4310, -19.6130, -57.5730

Conversions

Conversions Part 2

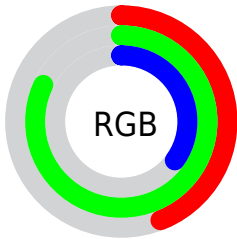
Format	Color
RYB	90, 209, 187
Decimal	7393626
CIELab	75.94, -50.89, 49.51
CIELCh	76, 71.001, 135.785
Yxy	49.7839, 0.3173, 0.5042
Android (android.graphics.Color)	4285583706 (0xFF70D15A)
YUV	166.4310, -37.6805, -47.7360
Hunter-Lab	70.5577, -44.2167, 34.5802

Details

The Yxy color **49.7839, 0.3173, 0.5042** 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 **22.4703, 0.2948, 0.1859**, and the grayscale version is **38.5490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9382, 0.3210, 0.4608**, and **23.9748, 0.3097, 0.5581** is the 20% darker color. If you saturate the color by 10%, you get **48.4652, 0.3158, 0.5352**, and if you desaturate by 10%, it is **51.4181, 0.3179, 0.4707**.

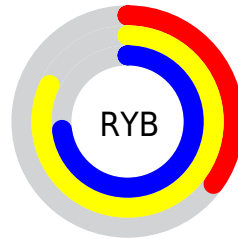
Distribution



Red (44%)

Green (82%)

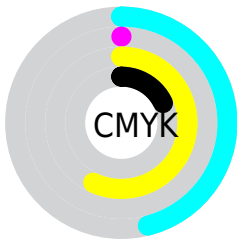
Blue (35%)



Red (35%)

Yellow (82%)

Blue (73%)

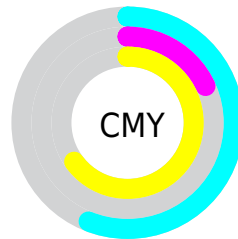


Cyan (46%)

Magenta (0%)

Yellow (57%)

Black (18%)



Cyan (56%)


Magenta (18%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7839, 0.3173, 0.5042 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 49.7839, 0.3173, 0.5042 by changing the saturation by 10% instead.

 49.7839, 0.3173,
0.5042


 49.7839, 0.3173,
0.5042


385.8203, 0.3202,
0.4119


 35.2417, 0.3146,
0.5279


 89.8546, 0.3197,
0.4700


 23.8491, 0.3099,
0.5583


 116.1519, 0.3202,
0.4573

 15.2217, 0.3014,
0.5981


 147.1364, 0.3205,
0.4467

 8.9752, 0.2856,
0.6513

 183.1925, 0.3205,
0.4376

 4.7250, 0.2606,
0.7394

224.7045, 0.3205,
0.4298

 2.0868, 0.1724,
0.8276

272.0569, 0.3204,

 0.6572, 0.0000,

0.4231

1.0000

325.6340, 0.3203,
0.4172

■ 0.0000, 0.0000,
0.0000

■ 49.7839, 0.3173,
0.5042

■ 49.7839, 0.3173,
0.5042

■ 48.4652, 0.3158,
0.5352

■ 51.4181, 0.3179,
0.4707

■ 47.4350, 0.3134,
0.5614

■ 53.3802, 0.3177,
0.4368

■ 46.6724, 0.3102,
0.5809

■ 55.6892, 0.3168,
0.4042

■ 46.1492, 0.3066,
0.5928

■ 58.3613, 0.3155,
0.3738

■ 46.0276, 0.3057,
0.5955

■ 61.4112, 0.3139,
0.3463

■ 64.8530, 0.3122,
0.3218

■ 68.7002, 0.3104,
0.3003

■ 72.8242, 0.3100,
0.2834

■ 74.0817, 0.3148,
0.2841

Harmonies

Analogous

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



49.7839, 0.4053, 0.4954



49.7839, 0.3173, 0.5042



49.7839, 0.2328, 0.4341

Triad

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



49.7839, 0.3173, 0.5042



49.7839, 0.1647, 0.1983



49.7839, 0.4686, 0.3059

Complementary

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



49.7839, 0.3173, 0.5042



22.4703, 0.2948, 0.1859

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.



49.7839, 0.3817, 0.2484



49.7839, 0.3173, 0.5042



49.7839, 0.2074, 0.1891

Square

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



49.7839, 0.3173, 0.5042



49.7839, 0.1536, 0.2411



49.7839, 0.2829, 0.2072



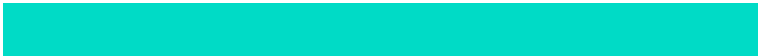
49.7839, 0.5023, 0.3712

Rectangle

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



49.7839, 0.3173, 0.5042



49.7839, 0.1904, 0.3610



49.7839, 0.2829, 0.2072



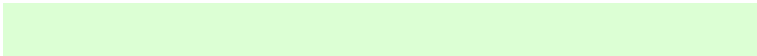
49.7839, 0.4439, 0.2855

Sweetspot

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



49.7860, 0.3173, 0.5042



91.4218, 0.3155, 0.3746



49.0735, 0.4089, 0.4407



19.3763, 0.3158, 0.3805



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.



49.7860, 0.3173, 0.5042



75.6821, 0.3154, 0.5404



49.2723, 0.2860, 0.4581



13.3101, 0.3143, 0.3528



28.4103, 0.3063, 0.5950



1.6209, 0.3182, 0.5856

Inverse Universe

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



22.4703, 0.2948, 0.1859



28.8625, 0.2893, 0.1624



23.8924, 0.3617, 0.2303



11.8937, 0.3109, 0.3059



8.1668, 0.2747, 0.1287



0.4860, 0.2837, 0.1336

Previews

White Background



This preview shows how the Yxy color 49.7839, 0.3173, 0.5042 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 49.7839, 0.3173, 0.5042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

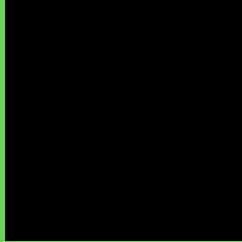
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7839, 0.3173, 0.5042

Background



This preview shows how black text looks on a background with the Yxy color 49.7839, 0.3173, 0.5042.



This preview shows how white text looks on a background with the Yxy color 49.7839, 0.3173, 0.5042.

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

49.7839, 0.3173, 0.5042

Protanopia

49.0077, 0.4110, 0.4490

Deuteranopia

48.8391, 0.4256, 0.4160



Tritanopia

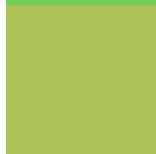
49.3842, 0.2591, 0.3074

Trichromacy



Original Color

49.7839, 0.3173, 0.5042



Protanomaly

48.0261, 0.3721, 0.4705



Deuteranomaly

47.6788, 0.3813, 0.4482



Tritanomaly

49.1125, 0.2815, 0.3766

Monochromacy



Original Color

49.7839, 0.3173, 0.5042



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

41.4019, 0.3163, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7839, 0.3173, 0.5042 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(112, 209, 90)` looks like.

```
.text, #text, p{  
    color:rgb(112, 209, 90)  
}
```

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(112, 209, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 209, 90) }
```

Border

The CSS property to change the border of an element to Yxy 49.7839, 0.3173, 0.5042 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(112, 209, 90) }
```

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

```
.border{ border-color:rgb(112, 209, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 209, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 209, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 209, 90);  
box-shadow:4px 4px 4px 4px rgb(112, 209,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7839, 0.3173, 0.5042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 209, 90) }
```

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

```
.background{ background-color: rgb(112,  
209, 90) }
```

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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