

Converting Colors

$Y_{xy}(50.3934, 0.3472, 0.5394)$

Have a look what the booklet for
Yxy(50.3934, 0.3472, 0.5394)
contains.

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Color

Yxy(50.5440, 0.3470, 0.5396)

Conversions

Conversions Part 1

Format	Color
Hex	82D12E
RGB	130, 209, 46
RGB Percent	51%, 82%, 18%
CMY	0.4900, 0.1804, 0.8198
CMYK	0.38, 0.00, 0.78, 0.18
HSL	89°, 64%, 50%
HSV	89°, 78%, 82%
XYZ	32.5033, 50.5440, 10.6221
YIQ	166.7970, 5.2390, -67.4410

Conversions

Conversions Part 2

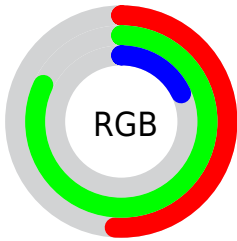
Format	Color
RYB	46, 209, 125
Decimal	8573230
CIELab	76.40, -48.63, 67.24
CIELCh	76, 82.989, 125.876
Yxy	50.5440, 0.3470, 0.5396
Android (android.graphics.Color)	4286763310 (0xFF82D12E)
YUV	166.7970, -59.5529, -32.2710
Hunter-Lab	71.0943, -42.8074, 40.9076

Details

The Yxy color **50.5440, 0.3470, 0.5396** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **10.9071, 0.2247, 0.1171**, and the grayscale version is **38.8359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2313, 0.3502, 0.4937**, and **24.4508, 0.3324, 0.5743** is the 20% darker color. If you saturate the color by 10%, you get **49.6580, 0.3441, 0.5563**, and if you desaturate by 10%, it is **51.5933, 0.3477, 0.5177**.

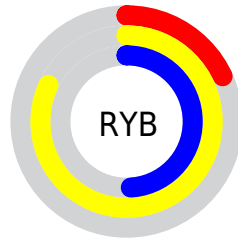
Distribution



Red (51%)

Green (82%)

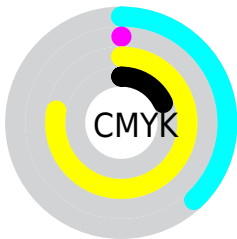
Blue (18%)



Red (18%)

Yellow (82%)

Blue (49%)

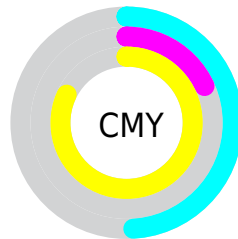


Cyan (38%)

Magenta (0%)

Yellow (78%)

Black (18%)



Cyan (49%)

Magenta (18%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5440, 0.3470, 0.5396 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 50.5440, 0.3470, 0.5396 by changing the saturation by 10% instead.


 50.5440, 0.3470,
0.5396

 50.5440, 0.3470,
0.5396


388.7895, 0.3392,
0.4322


 35.8458, 0.3452,
0.5649

 90.9804, 0.3468,
0.5012


 24.3152, 0.3406,
0.5957

 117.4874, 0.3459,
0.4865

 15.5676, 0.3307,
0.6330


 148.6994, 0.3449,
0.4740

 9.2187, 0.3147,
0.6853

 185.0009, 0.3437,
0.4632

 4.8841, 0.2731,
0.7269

 226.7763, 0.3425,
0.4539

 2.1794, 0.1982,
0.8018

 274.4099, 0.3413,

 0.7087, 0.0000,

0.4457

1.0000

328.2862, 0.3402,
0.4386

■ 0.0000, 0.0000,
0.0000

■ 50.5440, 0.3470,
0.5396

■ 50.5440, 0.3470,
0.5396

■ 49.6580, 0.3441,
0.5563

■ 51.5933, 0.3477,
0.5177

■ 48.9114, 0.3392,
0.5677

■ 52.8117, 0.3462,
0.4917

■ 48.7750, 0.3382,
0.5697

■ 54.2123, 0.3428,
0.4631

■ 55.8047, 0.3378,
0.4335

■ 57.5980, 0.3318,
0.4040

■ 59.6003, 0.3252,
0.3756

■ 61.8194, 0.3183,
0.3489

■ 64.2626, 0.3113,
0.3243

■ 66.9367, 0.3045,
0.3019

Harmonies

Analogous

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



50.5440, 0.4426, 0.4968



50.5440, 0.3470, 0.5396



50.5440, 0.2480, 0.4912

Triad

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



50.5440, 0.3470, 0.5396



50.5440, 0.1393, 0.1914



50.5440, 0.4651, 0.2781

Complementary

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



50.5440, 0.3470, 0.5396



10.9071, 0.2247, 0.1171

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.



50.5440, 0.3525, 0.2200



50.5440, 0.3470, 0.5396



50.5440, 0.1739, 0.1717

Square

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



50.5440, 0.3470, 0.5396



50.5440, 0.1376, 0.2521



50.5440, 0.2453, 0.1827



50.5440, 0.5265, 0.3469

Rectangle

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



50.5440, 0.3470, 0.5396



50.5440, 0.1934, 0.4092



50.5440, 0.2453, 0.1827



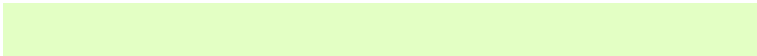
50.5440, 0.4305, 0.2570

Sweetspot

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



50.5462, 0.3470, 0.5396



91.7870, 0.3288, 0.3903



28.3582, 0.4962, 0.4128



19.4060, 0.3311, 0.4008



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.



50.5462, 0.3470, 0.5396



77.0374, 0.3408, 0.5648



46.4420, 0.3021, 0.5717



13.5017, 0.3193, 0.3525



30.1326, 0.3392, 0.5688



1.7320, 0.3531, 0.5579

Inverse Universe

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



10.9071, 0.2247, 0.1171



12.4259, 0.2038, 0.0916



19.7159, 0.3172, 0.1645



11.6946, 0.3057, 0.3055



4.6100, 0.2000, 0.0875



0.3049, 0.2203, 0.0987

Previews

White Background



This preview shows how the Yxy color 50.5440, 0.3470, 0.5396 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 50.5440, 0.3470, 0.5396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

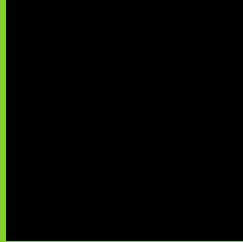
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.5440, 0.3470, 0.5396

Background



This preview shows how black text looks on a background with the Yxy color 50.5440, 0.3470, 0.5396.



This preview shows how white text looks on a background with the Yxy color 50.5440, 0.3470, 0.5396.

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

50.5440, 0.3470, 0.5396

Protanopia

49.9754, 0.4326, 0.4779

Deuteranopia

49.8292, 0.4552, 0.4448



Tritanopia

50.3588, 0.2708, 0.3093

Trichromacy



Original Color

50.5440, 0.3470, 0.5396



Protanomaly

49.5994, 0.3993, 0.5018



Deuteranomaly

48.5413, 0.4140, 0.4795



Tritanomaly

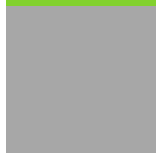
49.4399, 0.3049, 0.4003

Monochromacy



Original Color

50.5440, 0.3470, 0.5396



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.7560, 0.3349, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5440, 0.3470, 0.5396 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(130, 209, 46)` looks like.

```
.text, #text, p{  
    color:rgb(130, 209, 46)  
}
```

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(130, 209, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 209, 46) }
```

Border

The CSS property to change the border of an element to Yxy 50.5440, 0.3470, 0.5396 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(130, 209, 46) }
```

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

```
.border{ border-color:rgb(130, 209, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 209, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 209, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 209, 46);  
box-shadow:4px 4px 4px 4px rgb(130, 209,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5440, 0.3470, 0.5396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 209, 46) }
```

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

```
.background{ background-color: rgb(130,  
209, 46) }
```

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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