

Converting Colors

$Y_{xy}(50.5070, 0.3777, 0.5323)$

Have a look what the booklet for
Yxy(50.5070, 0.3777, 0.5323)
contains.

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Color

Yxy(50.5053, 0.3777, 0.5325)

Conversions

Conversions Part 1

Format	Color
Hex	9ECC14
RGB	158, 204, 20
RGB Percent	62%, 80%, 8%
CMY	0.3803, 0.2000, 0.9219
CMYK	0.23, 0.00, 0.90, 0.20
HSL	75°, 82%, 44%
HSV	75°, 90%, 80%
XYZ	35.8232, 50.5053, 8.5171
YIQ	169.2700, 31.6480, -66.9760

Conversions

Conversions Part 2

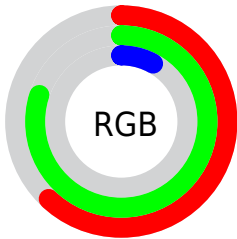
Format	Color
R _Y B	20, 204, 66
Decimal	10406932
CIE Lab	76.38, -37.01, 73.74
CIE LCh	76, 82.506, 116.654
Yxy	50.5053, 0.3777, 0.5325
Android (android.graphics.Color)	4288597012 (0xFF9ECC14)
YUV	169.2700, -73.5901, -9.8838
Hunter-Lab	71.0671, -34.3899, 42.6413

Details

The Yxy color **50.5053, 0.3777, 0.5325** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6.0105, 0.1739, 0.0781**, and the grayscale version is **40.1757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0099, 0.3758, 0.4938**, and **24.5794, 0.3637, 0.5494** is the 20% darker color. If you saturate the color by 10%, you get **49.9633, 0.3755, 0.5400**, and if you desaturate by 10%, it is **51.1402, 0.3779, 0.5208**.

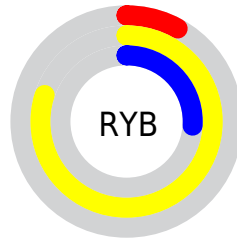
Distribution



Red (62%)

Green (80%)

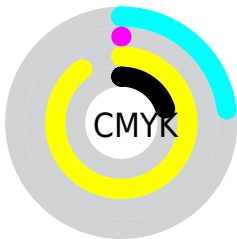
Blue (8%)



Red (8%)

Yellow (80%)

Blue (26%)

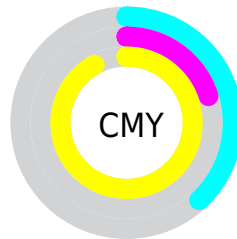


Cyan (23%)

Magenta (0%)

Yellow (90%)

Black (20%)



Cyan (38%)


Magenta (20%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5053, 0.3777, 0.5325 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 50.5053, 0.3777, 0.5325 by changing the saturation by 10% instead.

 50.5053, 0.3777,
0.5325

 50.5053, 0.3777,
0.5325


388.6387, 0.3559,
0.4327


 35.8151, 0.3786,
0.5543


 90.9231, 0.3730,
0.4981


 24.2914, 0.3772,
0.5796


 117.4195, 0.3702,
0.4845


 15.5499, 0.3722,
0.6107


 148.6200, 0.3675,
0.4728

 9.2062, 0.3571,
0.6429

 184.9090, 0.3649,
0.4626

 4.8759, 0.3252,
0.6748

 226.6710, 0.3624,
0.4537

 2.1747, 0.2738,
0.7262

 274.2904, 0.3601,

 0.7061, 0.0000,

0.4459

1.0000

328.1515, 0.3579,
0.4389

■ 0.0000, 0.0000,
0.0000

■ 50.5053, 0.3777,
0.5325

■ 50.5053, 0.3777,
0.5325

■ 49.9633, 0.3755,
0.5400

■ 51.1402, 0.3779,
0.5208

■ 51.8678, 0.3756,
0.5044

■ 52.7008, 0.3707,
0.4838

■ 53.6479, 0.3637,
0.4600

■ 54.7168, 0.3550,
0.4341

■ 55.9144, 0.3451,
0.4072

■ 57.2472, 0.3345,
0.3804

■ 58.7209, 0.3237,
0.3543

■ 60.3411, 0.3130,
0.3296

Harmonies

Analogous

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



50.5053, 0.4675, 0.4744



50.5053, 0.3777, 0.5325



50.5053, 0.2776, 0.5166

Triad

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



50.5053, 0.3777, 0.5325



50.5053, 0.1360, 0.2056



50.5053, 0.4327, 0.2590

Complementary

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



50.5053, 0.3777, 0.5325



6.0105, 0.1739, 0.0781

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.



50.5053, 0.3168, 0.2065



50.5053, 0.3777, 0.5325



50.5053, 0.1602, 0.1749

Square

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



50.5053, 0.3777, 0.5325



50.5053, 0.1448, 0.2815



50.5053, 0.2196, 0.1770



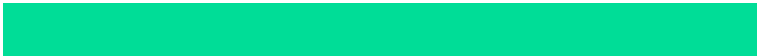
50.5053, 0.5146, 0.3252

Rectangle

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



50.5053, 0.3777, 0.5325



50.5053, 0.2172, 0.4491



50.5053, 0.2196, 0.1770



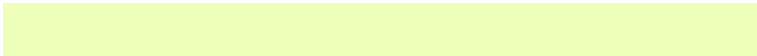
50.5053, 0.3948, 0.2394

Sweetspot

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



50.5076, 0.3777, 0.5325



93.2154, 0.3421, 0.3994



16.4270, 0.5871, 0.3599



19.7950, 0.3457, 0.4088



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.



50.5076, 0.3777, 0.5325



82.6384, 0.3749, 0.5405



44.5006, 0.3154, 0.5806



12.9502, 0.3228, 0.3522



31.4936, 0.3761, 0.5395



1.6591, 0.3850, 0.5325

Inverse Universe

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



6.0105, 0.1739, 0.0781



8.2992, 0.1630, 0.0672



11.8160, 0.2606, 0.1249



10.9771, 0.3021, 0.3053



3.2235, 0.1651, 0.0683



0.2032, 0.1860, 0.0798

Previews

White Background



This preview shows how the Yxy color 50.5053, 0.3777, 0.5325 looks on a white background.

Color Contrast Check

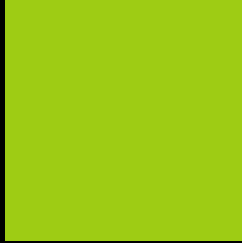
Large Text (above 18pt) WCAG AA × Fail

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 50.5053, 0.3777, 0.5325 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 50.5053, 0.3777, 0.5325

Background



This preview shows how black text looks on a background with the Yxy color 50.5053, 0.3777, 0.5325.



This preview shows how white text looks on a background with the Yxy color 50.5053, 0.3777, 0.5325.

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

50.5053, 0.3777, 0.5325

Protanopia

49.9900, 0.4397, 0.4863

Deuteranopia

49.8338, 0.4638, 0.4539



Tritanopia

50.4648, 0.2908, 0.3100

Trichromacy



Original Color

50.5053, 0.3777, 0.5325

Protanomaly

49.8245, 0.4160, 0.5041

Deuteranomaly

49.0603, 0.4332, 0.4824

Tritanomaly

49.3002, 0.3339, 0.4068

Monochromacy



Original Color

50.5053, 0.3777, 0.5325

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

42.6930, 0.3512, 0.4243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5053, 0.3777, 0.5325 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(158, 204, 20)` looks like.

```
.text, #text, p{  
    color:rgb(158, 204, 20)  
}
```

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(158, 204, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 204, 20) }
```

Border

The CSS property to change the border of an element to Yxy 50.5053, 0.3777, 0.5325 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(158, 204, 20) }
```

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

```
.border{ border-color:rgb(158, 204, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 204, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 204, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 204, 20);  
box-shadow:4px 4px 4px 4px rgb(158, 204,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5053, 0.3777, 0.5325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 204, 20) }
```

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

```
.background{ background-color: rgb(158,  
204, 20) }
```

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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