

Converting Colors

$Y_{xy}(50.7475, 0.3522, 0.5453)$

Have a look what the booklet for
Yxy(50.7475, 0.3522, 0.5453)
contains.

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Color

Yxy(50.6973, 0.3523, 0.5455)

Conversions

Conversions Part 1

Format	Color
Hex	85D121
RGB	133, 209, 33
RGB Percent	52%, 82%, 13%
CMY	0.4786, 0.1803, 0.8706
CMYK	0.36, 0.00, 0.84, 0.18
HSL	86°, 73%, 47%
HSV	86°, 84%, 82%
XYZ	32.7418, 50.6973, 9.4982
YIQ	166.2120, 11.2000, -70.8480

Conversions

Conversions Part 2

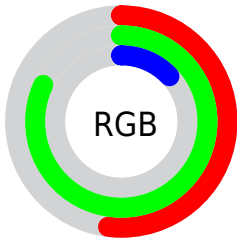
Format	Color
RYB	33, 209, 109
Decimal	8769825
CIELab	76.50, -48.18, 70.77
CIELCh	76, 85.620, 124.247
Yxy	50.6973, 0.3523, 0.5455
Android (android.graphics.Color)	4286959905 (0xFF85D121)
YUV	166.2120, -65.6735, -29.1269
Hunter-Lab	71.2020, -42.5215, 41.9323

Details

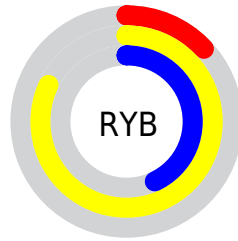
The Yxy color **50.6973, 0.3523, 0.5455** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **8.9474, 0.2078, 0.1012**, and the grayscale version is **38.5572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4409, 0.3558, 0.5001**, and **24.5670, 0.3349, 0.5722** is the 20% darker color. If you saturate the color by 10%, you get **49.9129, 0.3486, 0.5581**, and if you desaturate by 10%, it is **51.6219, 0.3538, 0.5275**.

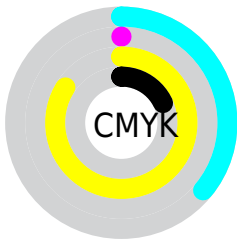
Distribution



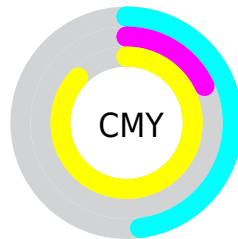
- Red (52%)
- Green (82%)
- Blue (13%)



- Red (13%)
- Yellow (82%)
- Blue (43%)



- Cyan (36%)
- Magenta (0%)
- Yellow (84%)
- Black (18%)




- Cyan (48%)
- Magenta (18%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6973, 0.3523, 0.5455 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 50.6973, 0.3523, 0.5455 by changing the saturation by 10% instead.


 50.6973, 0.3523,
0.5455

 50.6973, 0.3523,
0.5455


 389.3866, 0.3429,
0.4361


 35.9678, 0.3505,
0.5707


 91.2072, 0.3519,
0.5068


 24.4093, 0.3456,
0.6010


 117.7563, 0.3508,
0.4918


 15.6375, 0.3356,
0.6377


 149.0141, 0.3495,
0.4790

 9.2680, 0.3167,
0.6833

 185.3649, 0.3481,
0.4680

 4.9164, 0.2756,
0.7244

 227.1932, 0.3467,
0.4584

 2.1983, 0.2029,
0.7971

 274.8833, 0.3454,

 0.7191, 0.0000,

0.4500

1.0000

328.8196, 0.3441,
0.4426

■ 0.0000, 0.0000,
0.0000

■ 50.6973, 0.3523,
0.5455

■ 50.6973, 0.3523,
0.5455

■ 49.9129, 0.3486,
0.5581

■ 51.6219, 0.3538,
0.5275

■ 49.5071, 0.3458,
0.5637

■ 52.6933, 0.3529,
0.5048

■ 53.9249, 0.3498,
0.4787

■ 55.3263, 0.3449,
0.4503

■ 56.9064, 0.3386,
0.4213

■ 58.6732, 0.3315,
0.3926

■ 60.6342, 0.3238,
0.3650

■ 62.7965, 0.3160,
0.3393

■ 65.1666, 0.3083,
0.3155

Harmonies

Analogous

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



50.6973, 0.4495, 0.4963



50.6973, 0.3523, 0.5455



50.6973, 0.2507, 0.5026

Triad

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



50.6973, 0.3523, 0.5455



50.6973, 0.1346, 0.1900



50.6973, 0.4642, 0.2728

Complementary

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



50.6973, 0.3523, 0.5455



8.9474, 0.2078, 0.1012

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.



50.6973, 0.3468, 0.2147



50.6973, 0.3523, 0.5455



50.6973, 0.1678, 0.1684

Square

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



50.6973, 0.3523, 0.5455



50.6973, 0.1345, 0.2543



50.6973, 0.2383, 0.1781



50.6973, 0.5311, 0.3422

Rectangle

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



50.6973, 0.3523, 0.5455



50.6973, 0.1938, 0.4194



50.6973, 0.2383, 0.1781



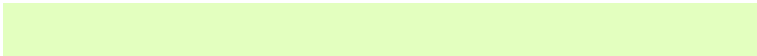
50.6973, 0.4276, 0.2517

Sweetspot

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



50.6995, 0.3523, 0.5455



91.6968, 0.3323, 0.3956



24.0454, 0.5275, 0.3993



19.4113, 0.3349, 0.4058



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.



50.6995, 0.3523, 0.5455



77.5216, 0.3450, 0.5643



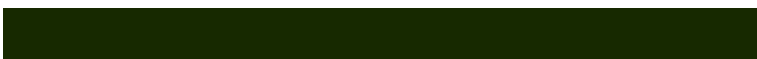
46.3375, 0.3046, 0.5812



13.5327, 0.3201, 0.3524



30.5796, 0.3467, 0.5629



1.7562, 0.3597, 0.5526

Inverse Universe

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



8.9474, 0.2078, 0.1012



10.5479, 0.1879, 0.0809



17.2071, 0.3032, 0.1517



11.6639, 0.3049, 0.3054



4.2444, 0.1905, 0.0823



0.2838, 0.2115, 0.0938

Previews

White Background



This preview shows how the Yxy color 50.6973, 0.3523, 0.5455 looks on a white background.

Color Contrast Check

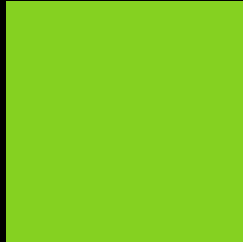
Large Text (above 18pt) WCAG AA × Fail

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 50.6973, 0.3523, 0.5455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

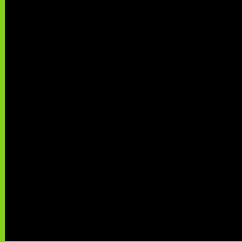
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6973, 0.3523, 0.5455

Background



This preview shows how black text looks on a background with the Yxy color 50.6973, 0.3523, 0.5455.



This preview shows how white text looks on a background with the Yxy color 50.6973, 0.3523, 0.5455.

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

50.6973, 0.3523, 0.5455

Protanopia

50.0426, 0.4372, 0.4827

Deuteranopia

49.9127, 0.4601, 0.4493



Tritanopia

50.2053, 0.2727, 0.3081

Trichromacy



Original Color

50.6973, 0.3523, 0.5455

Protanomaly

49.6358, 0.4038, 0.5076

Deuteranomaly

48.7192, 0.4200, 0.4848

Tritanomaly

49.1252, 0.3099, 0.4045

Monochromacy



Original Color

50.6973, 0.3523, 0.5455

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

41.6339, 0.3387, 0.4232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6973, 0.3523, 0.5455 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(133, 209, 33)` looks like.

```
.text, #text, p{  
    color:rgb(133, 209, 33)  
}
```

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(133, 209, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 209, 33) }
```

Border

The CSS property to change the border of an element to Yxy 50.6973, 0.3523, 0.5455 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(133, 209, 33) }
```

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

```
.border{ border-color:rgb(133, 209, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 209, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 209, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 209, 33);  
box-shadow:4px 4px 4px 4px rgb(133, 209,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6973, 0.3523, 0.5455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 209, 33) }
```

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

```
.background{ background-color: rgb(133,  
209, 33) }
```

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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