

Converting Colors

$Y_{xy}(49.5155, 0.3357, 0.5479)$

Have a look what the booklet for
Yxy(49.5155, 0.3357, 0.5479)
contains.

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Color

Yxy(49.3756, 0.3354, 0.5478)

Conversions

Conversions Part 1

Format	Color
Hex	72D12E
RGB	114, 209, 46
RGB Percent	45%, 82%, 18%
CMY	0.5531, 0.1804, 0.8194
CMYK	0.45, 0.00, 0.78, 0.18
HSL	95°, 64%, 50%
HSV	95°, 78%, 82%
XYZ	30.2311, 49.3756, 10.5277
YIQ	162.0130, -4.2970, -70.8330

Conversions

Conversions Part 2

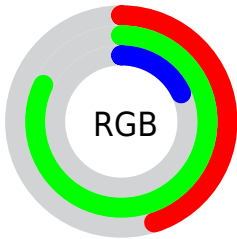
Format	Color
RYB	46, 209, 141
Decimal	7524654
CIELab	75.68, -53.89, 66.28
CIELCh	76, 85.423, 129.111
Yxy	49.3756, 0.3354, 0.5478
Android (android.graphics.Color)	4285714734 (0xFF72D12E)
YUV	162.0130, -57.1944, -42.1074
Hunter-Lab	70.2678, -46.1732, 40.3045

Details

The Yxy color **49.3756, 0.3354, 0.5478** 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 **12.2343, 0.2417, 0.1259**, and the grayscale version is **36.4133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4242, 0.3405, 0.4992**, and **23.8150, 0.3178, 0.5858** is the 20% darker color. If you saturate the color by 10%, you get **48.4874, 0.3317, 0.5657**, and if you desaturate by 10%, it is **50.4572, 0.3371, 0.5243**.

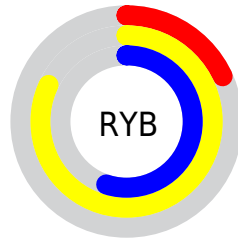
Distribution



Red (45%)

Green (82%)

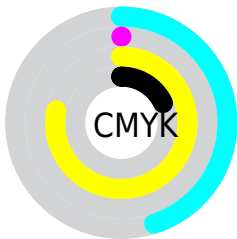
Blue (18%)



Red (18%)

Yellow (82%)

Blue (55%)

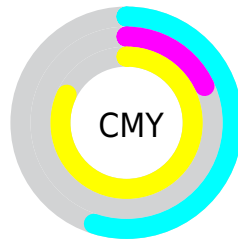


Cyan (45%)

Magenta (0%)

Yellow (78%)

Black (18%)



Cyan (55%)


Magenta (18%)


Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3756, 0.3354, 0.5478 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 49.3756, 0.3354, 0.5478 by changing the saturation by 10% instead.

 49.3756, 0.3354,
0.5478

 49.3756, 0.3354,
0.5478


 384.2191, 0.3335,
0.4346


 34.9175, 0.3321,
0.5751


 89.2490, 0.3374,
0.5069


 23.5993, 0.3255,
0.6085


 115.4332, 0.3374,
0.4914

 15.0367, 0.3129,
0.6494


 146.2948, 0.3370,
0.4782

 8.8451, 0.2929,
0.7071

 182.2184, 0.3364,
0.4669

 4.6403, 0.2459,
0.7541

 223.5882, 0.3357,
0.4572

 2.0378, 0.1411,
0.8589

 270.7886, 0.3350,

 0.6293, 0.0000,

0.4487

1.0000

324.2041, 0.3342,
0.4412

■ 0.0000, 0.0000,
0.0000

■ 49.3756, 0.3354,
0.5478

■ 49.3756, 0.3354,
0.5478

■ 48.4874, 0.3317,
0.5657

■ 50.4572, 0.3371,
0.5243

■ 47.7670, 0.3266,
0.5777


■ 51.7402, 0.3369,
0.4967


■ 47.6358, 0.3255,
0.5798

■ 53.2391, 0.3349,
0.4665


■ 54.9656, 0.3316,
0.4354

■ 56.9298, 0.3273,
0.4049

 59.1417, 0.3223,
0.3758

 61.6103, 0.3170,
0.3488

 64.3442, 0.3116,
0.3242

 67.3516, 0.3063,
0.3020

Harmonies

Analogous

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



49.3756, 0.4353, 0.5085



49.3756, 0.3354, 0.5478



49.3756, 0.2350, 0.4864

Triad

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



49.3756, 0.3354, 0.5478



49.3756, 0.1369, 0.1832



49.3756, 0.4810, 0.2832

Complementary

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



49.3756, 0.3354, 0.5478



12.2343, 0.2417, 0.1259

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.



49.3756, 0.3670, 0.2223



49.3756, 0.3354, 0.5478



49.3756, 0.1759, 0.1673

Square

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



49.3756, 0.3354, 0.5478



49.3756, 0.1313, 0.2396



49.3756, 0.2532, 0.1816



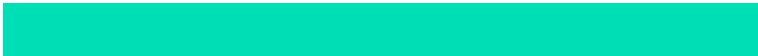
49.3756, 0.5357, 0.3540

Rectangle

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



49.3756, 0.3354, 0.5478



49.3756, 0.1817, 0.3969



49.3756, 0.2532, 0.1816



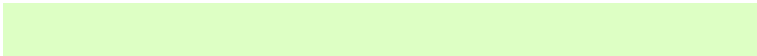
49.3756, 0.4468, 0.2614

Sweetspot

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



49.3777, 0.3354, 0.5478



90.8610, 0.3250, 0.3910



32.0456, 0.4800, 0.4280



19.1833, 0.3268, 0.4018



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.



49.3777, 0.3354, 0.5478



75.2134, 0.3281, 0.5747



46.4816, 0.2984, 0.5622



13.4435, 0.3178, 0.3526



29.4234, 0.3265, 0.5790



1.6913, 0.3412, 0.5673

Inverse Universe

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



12.2343, 0.2417, 0.1259



14.5492, 0.2236, 0.1024



19.5992, 0.3335, 0.1744



11.7533, 0.3072, 0.3056



5.4440, 0.2201, 0.0986



0.3504, 0.2383, 0.1086

Previews

White Background



This preview shows how the Yxy color 49.3756, 0.3354, 0.5478 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 49.3756, 0.3354, 0.5478 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 49.3756, 0.3354, 0.5478

Background



This preview shows how black text looks on a background with the Yxy color 49.3756, 0.3354, 0.5478.



This preview shows how white text looks on a background with the Yxy color 49.3756, 0.3354, 0.5478.

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

49.3756, 0.3354, 0.5478

Protanopia

48.6809, 0.4321, 0.4786

Deuteranopia

48.5434, 0.4540, 0.4439



Tritanopia

49.1723, 0.2625, 0.3088

Trichromacy



Original Color

49.3756, 0.3354, 0.5478

Protanomaly

47.7494, 0.3939, 0.5060

Deuteranomaly

47.0708, 0.4071, 0.4828

Tritanomaly

48.2564, 0.2949, 0.4024

Monochromacy



Original Color

49.3756, 0.3354, 0.5478

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

39.6160, 0.3298, 0.4189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3756, 0.3354, 0.5478 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(114, 209, 46)` looks like.

```
.text, #text, p{  
    color:rgb(114, 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(114, 209, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 209, 46) }
```

Border

The CSS property to change the border of an element to Yxy 49.3756, 0.3354, 0.5478 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(114, 209, 46) }
```

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

```
.border{ border-color:rgb(114, 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(114, 209, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 209, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 209, 46);  
box-shadow:4px 4px 4px 4px rgb(114, 209,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3756, 0.3354, 0.5478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 209, 46) }
```

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

```
.background{ background-color: rgb(114,  
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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