

Converting Colors

Yxy(49.6436, 0.3377, 0.5463)

Have a look what the booklet for
Yxy(49.6436, 0.3377, 0.5463)
contains.

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Color

Yxy(49.5801, 0.3375, 0.5463)

Conversions

Conversions Part 1

Format	Color
Hex	75D12E
RGB	117, 209, 46
RGB Percent	46%, 82%, 18%
CMY	0.5412, 0.1804, 0.8194
CMYK	0.44, 0.00, 0.78, 0.18
HSL	94°, 64%, 50%
HSV	94°, 78%, 82%
XYZ	30.6302, 49.5801, 10.5459
YIQ	162.9100, -2.5090, -70.1970

Conversions

Conversions Part 2

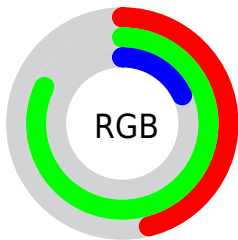
Format	Color
RYB	46, 209, 138
Decimal	7721262
CIELab	75.81, -52.94, 66.45
CIELCh	76, 84.955, 128.544
Yxy	49.5801, 0.3375, 0.5463
Android (android.graphics.Color)	4285911342 (0xFF75D12E)
YUV	162.9100, -57.6366, -40.2631
Hunter-Lab	70.4131, -45.5742, 40.4093

Details

The Yxy color **49.5801, 0.3375, 0.5463** 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 **11.9715, 0.2385, 0.1242**, and the grayscale version is **36.8630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7700, 0.3424, 0.4981**, and **23.9234, 0.3204, 0.5838** is the 20% darker color. If you saturate the color by 10%, you get **48.6888, 0.3339, 0.5640**, and if you desaturate by 10%, it is **50.6590, 0.3391, 0.5231**.

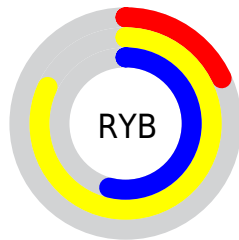
Distribution



Red (46%)

Green (82%)

Blue (18%)



Red (18%)

Yellow (82%)

Blue (54%)

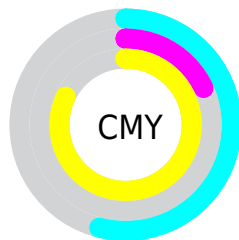


Cyan (44%)

Magenta (0%)

Yellow (78%)

Black (18%)



Cyan (54%)


Magenta (18%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5801, 0.3375, 0.5463 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 49.5801, 0.3375, 0.5463 by changing the saturation by 10% instead.

 49.5801, 0.3375,
0.5463

 49.5801, 0.3375,
0.5463


385.0216, 0.3345,
0.4341

 35.0799, 0.3344,
0.5732


 89.5524, 0.3391,
0.5059


 23.7244, 0.3282,
0.6061


 115.7933, 0.3389,
0.4905


 15.1293, 0.3161,
0.6464


 146.7165, 0.3384,
0.4774

 8.9102, 0.2968,
0.7032

 182.7065, 0.3377,
0.4662

 4.6826, 0.2508,
0.7492

 224.1476, 0.3369,
0.4566

 2.0623, 0.1526,
0.8474

 271.4242, 0.3361,

 0.6433, 0.0000,

0.4481

1.0000

324.9207, 0.3353,
0.4407

■ 0.0000, 0.0000,
0.0000

■ 49.5801, 0.3375,
0.5463

■ 49.5801, 0.3375,
0.5463

■ 48.6888, 0.3339,
0.5640

■ 50.6590, 0.3391,
0.5231

■ 47.9599, 0.3288,
0.5759

■ 51.9328, 0.3386,
0.4957

■ 47.8264, 0.3277,
0.5780

■ 53.4160, 0.3364,
0.4658

■ 55.1196, 0.3328,
0.4351

■ 57.0537, 0.3281,
0.4047

 59.2276, 0.3228,
0.3757

 61.6502, 0.3172,
0.3488

 64.3298, 0.3116,
0.3242

 67.2744, 0.3060,
0.3019

Harmonies

Analogous

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



49.5801, 0.4367, 0.5064



49.5801, 0.3375, 0.5463



49.5801, 0.2373, 0.4873

Triad

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



49.5801, 0.3375, 0.5463



49.5801, 0.1373, 0.1847



49.5801, 0.4781, 0.2823

Complementary

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



49.5801, 0.3375, 0.5463



11.9715, 0.2385, 0.1242

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.



49.5801, 0.3643, 0.2219



49.5801, 0.3375, 0.5463



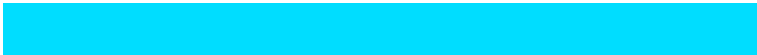
49.5801, 0.1755, 0.1681

Square

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



49.5801, 0.3375, 0.5463



49.5801, 0.1324, 0.2418



49.5801, 0.2518, 0.1818



49.5801, 0.5341, 0.3527

Rectangle

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



49.5801, 0.3375, 0.5463



49.5801, 0.1838, 0.3991



49.5801, 0.2518, 0.1818



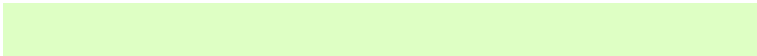
49.5801, 0.4439, 0.2606

Sweetspot

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



49.5822, 0.3375, 0.5463



91.0325, 0.3257, 0.3909



31.2718, 0.4832, 0.4250



19.2244, 0.3276, 0.4016



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.



49.5822, 0.3375, 0.5463



75.5235, 0.3304, 0.5730



46.4534, 0.2991, 0.5648



13.4544, 0.3181, 0.3526



29.5431, 0.3287, 0.5772



1.6984, 0.3434, 0.5656

Inverse Universe

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



11.9715, 0.2385, 0.1242



14.1160, 0.2197, 0.1003



19.7249, 0.3301, 0.1723



11.7422, 0.3069, 0.3056



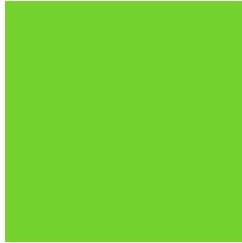
5.2730, 0.2161, 0.0964



0.3413, 0.2348, 0.1067

Previews

White Background



This preview shows how the Yxy color 49.5801, 0.3375, 0.5463 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 49.5801, 0.3375, 0.5463 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 49.5801, 0.3375, 0.5463

Background



This preview shows how black text looks on a background with the Yxy color 49.5801, 0.3375, 0.5463.



This preview shows how white text looks on a background with the Yxy color 49.5801, 0.3375, 0.5463.

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

49.5801, 0.3375, 0.5463

Protanopia

48.8263, 0.4330, 0.4779

Deuteranopia

48.5434, 0.4540, 0.4439



Tritanopia

49.3461, 0.2637, 0.3089

Trichromacy



Original Color

49.5801, 0.3375, 0.5463

Protanomaly

47.9808, 0.3957, 0.5047

Deuteranomaly

47.1991, 0.4080, 0.4822

Tritanomaly

48.4161, 0.2963, 0.4021

Monochromacy



Original Color

49.5801, 0.3375, 0.5463

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

40.1096, 0.3305, 0.4199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5801, 0.3375, 0.5463 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(117, 209, 46)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 209, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 209, 46) }
```

Border

The CSS property to change the border of an element to Yxy 49.5801, 0.3375, 0.5463 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(117, 209, 46) }
```

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

```
.border{ border-color:rgb(117, 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(117, 209, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 209, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 209, 46);  
box-shadow:4px 4px 4px 4px rgb(117, 209,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5801, 0.3375, 0.5463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 209, 46) }
```

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

```
.background{ background-color: rgb(117,  
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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