

Converting Colors

$Yxy(46.1261, 0.3463, 0.4709)$

Have a look what the booklet for
Yxy(46.1261, 0.3463, 0.4709)
contains.

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Color

Yxy(46.2460, 0.3460, 0.4710)

Conversions

Conversions Part 1

Format	Color
Hex	95C35F
RGB	149, 195, 95
RGB Percent	58%, 76%, 37%
CMY	0.4158, 0.2353, 0.6273
CMYK	0.24, 0.00, 0.51, 0.24
HSL	88°, 45%, 57%
HSV	88°, 51%, 76%
XYZ	33.9726, 46.2460, 17.9682
YIQ	169.8460, 4.6840, -40.8520

Conversions

Conversions Part 2

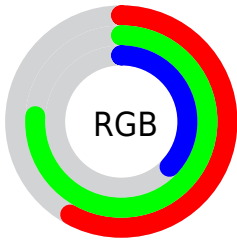
Format	Color
RYB	95, 195, 141
Decimal	9814879
CIELab	73.70, -31.82, 44.96
CIELCh	74, 55.082, 125.286
Yxy	46.2460, 0.3460, 0.4710
Android (android.graphics.Color)	4288004959 (0xFF95C35F)
YUV	169.8460, -36.8991, -18.2819
Hunter-Lab	68.0044, -29.8353, 31.9374

Details

The Yxy color **46.2460, 0.3460, 0.4710** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **17.7979, 0.2585, 0.1844**, and the grayscale version is **40.3031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7381, 0.3421, 0.4437**, and **21.6645, 0.3487, 0.5139** is the 20% darker color. If you saturate the color by 10%, you get **45.1245, 0.3492, 0.4984**, and if you desaturate by 10%, it is **47.5255, 0.3411, 0.4420**.

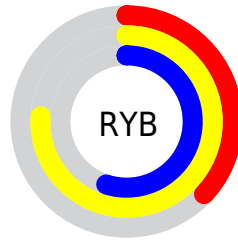
Distribution



Red (58%)

Green (76%)

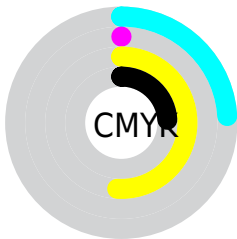
Blue (37%)



Red (37%)

Yellow (76%)

Blue (55%)

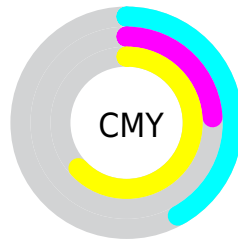


Cyan (24%)

Magenta (0%)

Yellow (51%)

Black (24%)



Cyan (42%)


Magenta (24%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2460, 0.3460, 0.4710 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 46.2460, 0.3460, 0.4710 by changing the saturation by 10% instead.

 46.2460, 0.3460,
0.4710


 46.2460, 0.3460,
0.4710


371.7968, 0.3328,
0.3971


 32.4400, 0.3478,
0.4898


 84.5870, 0.3422,
0.4437


 21.6978, 0.3490,
0.5138


 109.8909, 0.3405,
0.4336

 13.6350, 0.3488,
0.5452


 139.7961, 0.3389,
0.4251

 7.8673, 0.3444,
0.5870

 174.6871, 0.3374,
0.4178

 4.0101, 0.3390,
0.6610

214.9482, 0.3361,
0.4115

 1.6792, 0.2838,
0.7162

260.9640, 0.3349,

 0.4102, 0.0000,

0.4061

1.0000

313.1187, 0.3338,
0.4013

0.0000, 0.0000,
0.0000

46.2460, 0.3460,
0.4710

46.2460, 0.3460,
0.4710

45.1245, 0.3492,
0.4984

47.5255, 0.3411,
0.4420

44.1466, 0.3504,
0.5228

48.9642, 0.3350,
0.4127

43.3051, 0.3494,
0.5428

50.5713, 0.3282,
0.3842

42.5894, 0.3461,
0.5576

52.3530, 0.3210,
0.3572

42.0508, 0.3419,
0.5667

54.3154, 0.3136,
0.3320

■ 56.4642, 0.3064,
0.3090

■ 58.8049, 0.2995,
0.2882

■ 61.3427, 0.2930,
0.2695

■ 63.0411, 0.2968,
0.2668

Harmonies

Analogous

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



46.2460, 0.4141, 0.4533



46.2460, 0.3460, 0.4710



46.2460, 0.2729, 0.4351

Triad

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



46.2460, 0.3460, 0.4710



46.2460, 0.1832, 0.2318



46.2460, 0.4162, 0.2941

Complementary

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



46.2460, 0.3460, 0.4710



17.7979, 0.2585, 0.1844

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.



46.2460, 0.3406, 0.2487



46.2460, 0.3460, 0.4710



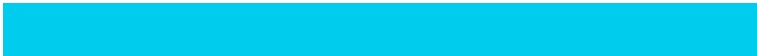
46.2460, 0.2105, 0.2130

Square

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



46.2460, 0.3460, 0.4710



46.2460, 0.1840, 0.2805



46.2460, 0.2650, 0.2200



46.2460, 0.4610, 0.3487

Rectangle

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



46.2460, 0.3460, 0.4710



46.2460, 0.2312, 0.3852



46.2460, 0.2650, 0.2200



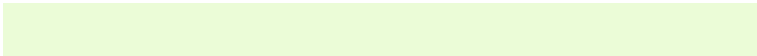
46.2460, 0.3929, 0.2776

Sweetspot

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



46.2480, 0.3460, 0.4710



92.4534, 0.3238, 0.3677



31.1917, 0.4233, 0.3889



20.0962, 0.3254, 0.3735



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.



46.2480, 0.3460, 0.4710



80.4967, 0.3496, 0.5028



42.5716, 0.3084, 0.4891



11.5204, 0.3196, 0.3522



27.3786, 0.3428, 0.5660



1.2236, 0.3594, 0.5529

Inverse Universe

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



17.7979, 0.2585, 0.1844



23.7343, 0.2422, 0.1514



23.0783, 0.3128, 0.2051



9.9701, 0.3054, 0.3057



4.0154, 0.1959, 0.0853



0.2144, 0.2214, 0.0993

Previews

White Background



This preview shows how the Yxy color 46.2460, 0.3460, 0.4710 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 46.2460, 0.3460, 0.4710 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 46.2460, 0.3460, 0.4710

Background



This preview shows how black text looks on a background with the Yxy color 46.2460, 0.3460, 0.4710.



This preview shows how white text looks on a background with the Yxy color 46.2460, 0.3460, 0.4710.

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

46.2460, 0.3460, 0.4710

Protanopia

46.0653, 0.4034, 0.4404

Deuteranopia

45.6603, 0.4202, 0.4116



Tritanopia

46.1447, 0.2854, 0.3104

Trichromacy



Original Color

46.2460, 0.3460, 0.4710

Protanomaly

45.7143, 0.3810, 0.4518

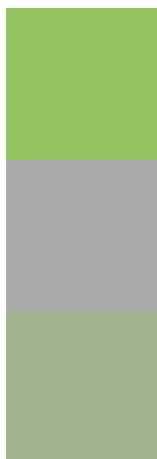
Deuteranomaly

45.0127, 0.3919, 0.4321

Tritanomaly

45.8087, 0.3085, 0.3669

Monochromacy



Original Color

46.2460, 0.3460, 0.4710

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.9048, 0.3269, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2460, 0.3460, 0.4710 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(149, 195, 95)` looks like.

```
.text, #text, p{  
    color:rgb(149, 195, 95)  
}
```

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(149, 195, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 195, 95) }
```

Border

The CSS property to change the border of an element to Yxy 46.2460, 0.3460, 0.4710 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(149, 195, 95) }
```

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

```
.border{ border-color:rgb(149, 195, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 195, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 195, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 195, 95);  
box-shadow:4px 4px 4px 4px rgb(149, 195,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2460, 0.3460, 0.4710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 195, 95) }
```

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

```
.background{ background-color: rgb(149,  
195, 95) }
```

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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