

Converting Colors

$Y_{xy}(47.6572, 0.3642, 0.4948)$

Have a look what the booklet for
Yxy(47.6572, 0.3642, 0.4948)
contains.

Yxy(47.5816, 0.3642, 0.4941)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.5816, 0.3642, 0.4941)

Conversions

Conversions Part 1

Format	Color
Hex	9DC549
RGB	157, 197, 73
RGB Percent	62%, 77%, 29%
CMY	0.3844, 0.2274, 0.7136
CMYK	0.20, 0.00, 0.63, 0.23
HSL	79°, 52%, 53%
HSV	79°, 63%, 77%
XYZ	35.0723, 47.5816, 13.6456
YIQ	170.9040, 15.9640, -47.0440

Conversions

Conversions Part 2

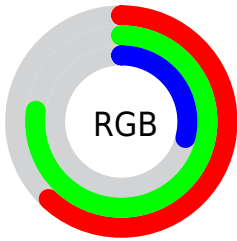
Format	Color
RYB	73, 197, 113
Decimal	10339657
CIELab	74.56, -31.72, 56.05
CIELCh	75, 64.403, 119.503
Yxy	47.5816, 0.3642, 0.4941
Android (android.graphics.Color)	4288529737 (0xFF9DC549)
YUV	170.9040, -48.2667, -12.1938
Hunter-Lab	68.9794, -29.9564, 36.5567

Details

The Yxy color **47.5816, 0.3642, 0.4941** 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 **12.3171, 0.2248, 0.1436**, and the grayscale version is **40.9166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7121, 0.3583, 0.4637**, and **22.4939, 0.3684, 0.5394** is the 20% darker color. If you saturate the color by 10%, you get **46.7392, 0.3672, 0.5152**, and if you desaturate by 10%, it is **48.5443, 0.3590, 0.4697**.

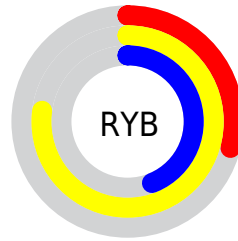
Distribution



Red (62%)

Green (77%)

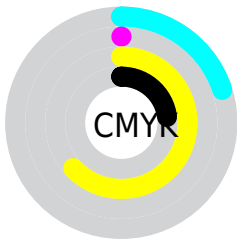
Blue (29%)



Red (29%)

Yellow (77%)

Blue (44%)

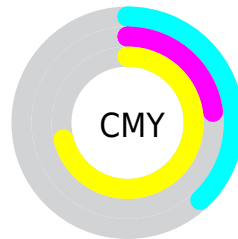


Cyan (20%)

Magenta (0%)

Yellow (63%)

Black (23%)



Cyan (38%)


Magenta (23%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5816, 0.3642, 0.4941 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 47.5816, 0.3642, 0.4941 by changing the saturation by 10% instead.

 47.5816, 0.3642,
0.4941

 47.5816, 0.3642,
0.4941


377.1313, 0.3439,
0.4100

 33.4957, 0.3668,
0.5144


 86.5811, 0.3585,
0.4638


 22.5064, 0.3685,
0.5394


 112.2635, 0.3559,
0.4523

 14.2295, 0.3677,
0.5706


 142.5802, 0.3534,
0.4425

 8.2805, 0.3654,
0.6162

 177.9155, 0.3512,
0.4341

 4.2749, 0.3427,
0.6573

 218.6538, 0.3491,
0.4269

 1.8285, 0.2930,
0.7070

265.1797, 0.3472,

 0.5048, 0.0000,

0.4205

1.0000

317.8774, 0.3455,
0.4149

■ 0.0000, 0.0000,
0.0000

■ 47.5816, 0.3642,
0.4941

■ 47.5816, 0.3642,
0.4941

■ 46.7392, 0.3672,
0.5152

■ 48.5443, 0.3590,
0.4697

■ 46.0021, 0.3677,
0.5319

■ 49.6286, 0.3520,
0.4430

■ 45.3622, 0.3657,
0.5437

■ 50.8432, 0.3437,
0.4154

■ 44.9550, 0.3633,
0.5498

■ 52.1945, 0.3346,
0.3879

■ 53.6882, 0.3250,
0.3613

■ 55.3297, 0.3155,
0.3361

■ 57.1240, 0.3061,
0.3126

■ 59.0759, 0.2972,
0.2911

■ 61.1900, 0.2887,
0.2715

Harmonies

Analogous

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



47.5816, 0.4388, 0.4597



47.5816, 0.3642, 0.4941



47.5816, 0.2806, 0.4677

Triad

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



47.5816, 0.3642, 0.4941



47.5816, 0.1646, 0.2251



47.5816, 0.4171, 0.2775

Complementary

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



47.5816, 0.3642, 0.4941



12.3171, 0.2248, 0.1436

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.



47.5816, 0.3262, 0.2303



47.5816, 0.3642, 0.4941



47.5816, 0.1887, 0.1994

Square

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



47.5816, 0.3642, 0.4941



47.5816, 0.1709, 0.2863



47.5816, 0.2435, 0.2027



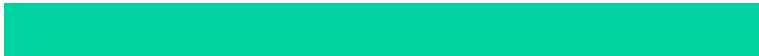
47.5816, 0.4782, 0.3364

Rectangle

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



47.5816, 0.3642, 0.4941



47.5816, 0.2309, 0.4132



47.5816, 0.2435, 0.2027



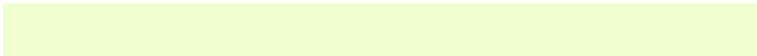
47.5816, 0.3880, 0.2601

Sweetspot

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



47.5837, 0.3642, 0.4941



94.4161, 0.3311, 0.3781



24.0069, 0.4739, 0.3785



20.0472, 0.3339, 0.3859



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.



47.5837, 0.3642, 0.4941



83.1220, 0.3677, 0.5228



42.8914, 0.3164, 0.5225



12.2388, 0.3216, 0.3522



29.6133, 0.3640, 0.5492



1.4400, 0.3758, 0.5398

Inverse Universe

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



12.3171, 0.2248, 0.1436



14.8467, 0.2017, 0.1069



17.8330, 0.2925, 0.1740



10.4509, 0.3032, 0.3055



3.4000, 0.1739, 0.0732



0.2003, 0.1979, 0.0864

Previews

White Background



This preview shows how the Yxy color 47.5816, 0.3642, 0.4941 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 47.5816, 0.3642, 0.4941 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 47.5816, 0.3642, 0.4941

Background



This preview shows how black text looks on a background with the Yxy color 47.5816, 0.3642, 0.4941.



This preview shows how white text looks on a background with the Yxy color 47.5816, 0.3642, 0.4941.

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

47.5816, 0.3642, 0.4941

Protanopia

47.1340, 0.4186, 0.4598

Deuteranopia

47.1822, 0.4404, 0.4305



Tritanopia

47.1752, 0.2917, 0.3095

Trichromacy



Original Color

47.5816, 0.3642, 0.4941

Protanomaly

46.9734, 0.3985, 0.4729

Deuteranomaly

46.5483, 0.4129, 0.4531

Tritanomaly

46.9106, 0.3219, 0.3787

Monochromacy



Original Color

47.5816, 0.3642, 0.4941

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.4988, 0.3368, 0.3931

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5816, 0.3642, 0.4941 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(157, 197, 73)` looks like.

```
.text, #text, p{  
    color:rgb(157, 197, 73)  
}
```

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(157, 197, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 197, 73) }
```

Border

The CSS property to change the border of an element to Yxy 47.5816, 0.3642, 0.4941 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(157, 197, 73) }
```

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

```
.border{ border-color:rgb(157, 197, 73) }
```

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

Here you see how a box with a 4 pixel rgb(157, 197, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 197, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 197, 73);  
box-shadow:4px 4px 4px 4px rgb(157, 197,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5816, 0.3642, 0.4941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 197, 73) }
```

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

```
.background{ background-color: rgb(157,  
197, 73) }
```

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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