

Converting Colors

$Y_{xy}(41.9601, 0.3634, 0.4845)$

Have a look what the booklet for
Yxy(41.9601, 0.3634, 0.4845)
contains.

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Color

Yxy(41.7852, 0.3639, 0.4846)

Conversions

Conversions Part 1

Format	Color
Hex	97B94B
RGB	151, 185, 75
RGB Percent	59%, 73%, 29%
CMY	0.4079, 0.2745, 0.7060
CMYK	0.18, 0.00, 0.59, 0.27
HSL	79°, 44%, 51%
HSV	79°, 59%, 73%
XYZ	31.3777, 41.7852, 13.0633
YIQ	162.2940, 15.0460, -41.4180

Conversions

Conversions Part 2

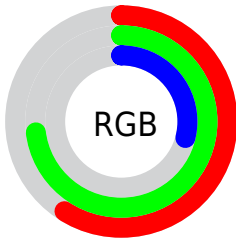
Format	Color
RYB	75, 185, 109
Decimal	9943371
CIELab	70.72, -28.24, 50.88
CIElCh	71, 58.191, 119.030
Yxy	41.7852, 0.3639, 0.4846
Android (android.graphics.Color)	4288133451 (0xFF97B94B)
YUV	162.2940, -43.0359, -9.9048
Hunter-Lab	64.6415, -26.4767, 33.2672

Details

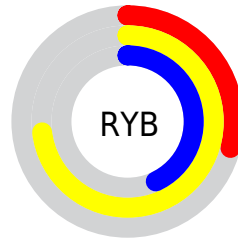
The Yxy color **41.7852, 0.3639, 0.4846** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **11.7838, 0.2295, 0.1538**, and the grayscale version is **36.4749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7345, 0.3572, 0.4545**, and **19.0909, 0.3695, 0.5305** is the 20% darker color. If you saturate the color by 10%, you get **41.0354, 0.3679, 0.5067**, and if you desaturate by 10%, it is **42.6390, 0.3578, 0.4596**.

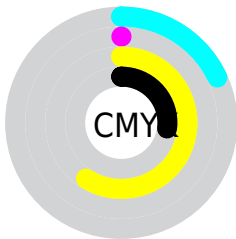
Distribution



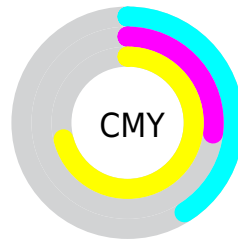
- Red (59%)
- Green (73%)
- Blue (29%)



- Red (29%)
- Yellow (73%)
- Blue (43%)



- Cyan (18%)
- Magenta (0%)
- Yellow (59%)
- Black (27%)




- Cyan (41%)
- Magenta (27%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7852, 0.3639, 0.4846 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 41.7852, 0.3639, 0.4846 by changing the saturation by 10% instead.


 41.7852, 0.3639,
0.4846


 41.7852, 0.3639,
0.4846


353.5917, 0.3425,
0.4035


 28.9331, 0.3671,
0.5048


 77.8744, 0.3575,
0.4549


 19.0302, 0.3696,
0.5302


 101.8804, 0.3547,
0.4438

 11.6921, 0.3699,
0.5625


 130.3731, 0.3521,
0.4344

 6.5344, 0.3714,
0.6148

 163.7369, 0.3498,
0.4264

 3.1727, 0.3452,
0.6548

 202.3563, 0.3476,
0.4195

 1.2225, 0.2642,
0.7358

246.6157, 0.3457,

 0.0800, 0.0000,

0.4135

1.0000

296.8993, 0.3440,
0.4082

■ 0.0000, 0.0000,
0.0000

■ 41.7852, 0.3639,
0.4846

■ 41.7852, 0.3639,
0.4846

■ 41.0354, 0.3679,
0.5067

■ 42.6390, 0.3578,
0.4596

■ 40.3770, 0.3696,
0.5248

■ 43.5972, 0.3500,
0.4328

■ 39.8037, 0.3688,
0.5382

■ 44.6675, 0.3412,
0.4054

■ 39.3005, 0.3659,
0.5473

■ 45.8548, 0.3317,
0.3783

■ 39.2750, 0.3657,
0.5478

■ 47.1640, 0.3219,
0.3523

■ 48.5996, 0.3122,
0.3278

■ 50.1657, 0.3028,
0.3050

■ 51.8663, 0.2939,
0.2842

■ 53.7053, 0.2855,
0.2653

Harmonies

Analogous

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



41.7852, 0.4342, 0.4533



41.7852, 0.3639, 0.4846



41.7852, 0.2843, 0.4597

Triad

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



41.7852, 0.3639, 0.4846



41.7852, 0.1711, 0.2313



41.7852, 0.4101, 0.2795

Complementary

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



41.7852, 0.3639, 0.4846



11.7838, 0.2295, 0.1538

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.



41.7852, 0.3244, 0.2344



41.7852, 0.3639, 0.4846



41.7852, 0.1940, 0.2057

Square

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



41.7852, 0.3639, 0.4846



41.7852, 0.1780, 0.2905



41.7852, 0.2462, 0.2082



41.7852, 0.4685, 0.3361

Rectangle

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



41.7852, 0.3639, 0.4846



41.7852, 0.2366, 0.4095



41.7852, 0.2462, 0.2082



41.7852, 0.3827, 0.2628

Sweetspot

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



41.7871, 0.3639, 0.4846



82.3808, 0.3305, 0.3752



21.5454, 0.4626, 0.3741



17.6206, 0.3333, 0.3829



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.7871, 0.3639, 0.4846



73.1526, 0.3686, 0.5120



37.7503, 0.3182, 0.5102



10.3603, 0.3218, 0.3519



26.7794, 0.3664, 0.5473



0.9751, 0.3806, 0.5360

Inverse Universe

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



11.7838, 0.2295, 0.1538



14.7416, 0.2083, 0.1186



16.3190, 0.2919, 0.1806



8.8506, 0.3031, 0.3057



3.0161, 0.1725, 0.0724



0.1401, 0.2029, 0.0892

Previews

White Background



This preview shows how the Yxy color 41.7852, 0.3639, 0.4846 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 41.7852, 0.3639, 0.4846 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 41.7852, 0.3639, 0.4846

Background



This preview shows how black text looks on a background with the Yxy color 41.7852, 0.3639, 0.4846.



This preview shows how white text looks on a background with the Yxy color 41.7852, 0.3639, 0.4846.

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

41.7852, 0.3639, 0.4846

Protanopia

41.5485, 0.4140, 0.4548

Deuteranopia

41.2911, 0.4350, 0.4256



Tritanopia

41.7525, 0.2938, 0.3112

Trichromacy



Original Color

41.7852, 0.3639, 0.4846

Protanomaly

41.2593, 0.3956, 0.4660

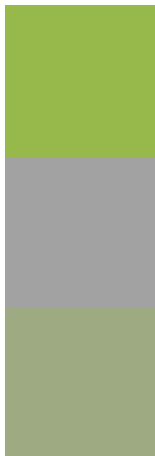
Deuteranomaly

41.0167, 0.4076, 0.4470

Tritanomaly

41.2870, 0.3219, 0.3754

Monochromacy



Original Color

41.7852, 0.3639, 0.4846

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.6303, 0.3358, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7852, 0.3639, 0.4846 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(151, 185, 75)` looks like.

```
.text, #text, p{  
    color:rgb(151, 185, 75)  
}
```

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(151, 185, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 185, 75) }
```

Border

The CSS property to change the border of an element to Yxy 41.7852, 0.3639, 0.4846 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(151, 185, 75) }
```

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

```
.border{ border-color:rgb(151, 185, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 185, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 185, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 185, 75);  
box-shadow:4px 4px 4px 4px rgb(151, 185,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7852, 0.3639, 0.4846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 185, 75) }
```

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

```
.background{ background-color: rgb(151,  
185, 75) }
```

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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