

Converting Colors

$Y_{xy}(40.9630, 0.3665, 0.4865)$

Have a look what the booklet for
Yxy(40.9630, 0.3665, 0.4865)
contains.

| | |
|--|----|
| Yxy(40.9142, 0.3667, 0.4860) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(40.9142, 0.3667, 0.4860)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 97B748 |
| RGB | 151, 183, 72 |
| RGB Percent | 59%, 72%, 28% |
| CMY | 0.4077, 0.2824, 0.7176 |
| CMYK | 0.17, 0.00, 0.61, 0.28 |
| HSL | 77°, 44%, 50% |
| HSV | 77°, 61%, 72% |
| XYZ | 30.8709, 40.9142, 12.4005 |
| YIQ | 160.7780, 16.5590, -41.3050 |

Conversions

Conversions Part 2

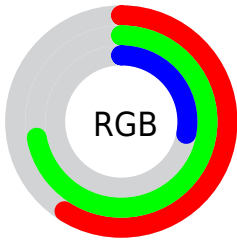
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 72, 183, 104 |
| Decimal | 9942856 |
| CIELab | 70.12, -27.49, 51.53 |
| CIElCh | 70, 58.407, 118.081 |
| Yxy | 40.9142, 0.3667, 0.4860 |
| Android (android.graphics.Color) | 4288132936 (0xFF97B748) |
| YUV | 160.7780, -43.7676, -8.5753 |
| Hunter-Lab | 63.9642, -25.7884, 33.2806 |

Details

The Yxy color **40.9142, 0.3667, 0.4860** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **10.9940, 0.2251, 0.1494**, and the grayscale version is **35.7373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4791, 0.3594, 0.4559**, and **18.5384, 0.3729, 0.5321** is the 20% darker color. If you saturate the color by 10%, you get **40.2186, 0.3708, 0.5072**, and if you desaturate by 10%, it is **41.7071, 0.3604, 0.4617**.

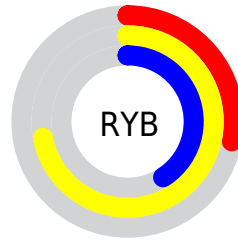
Distribution



Red (59%)

Green (72%)

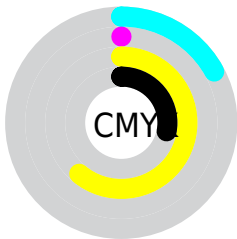
Blue (28%)



Red (28%)

Yellow (72%)

Blue (41%)

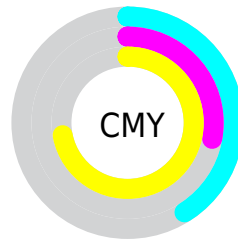


Cyan (17%)

Magenta (0%)

Yellow (61%)

Black (28%)



Cyan (41%)


Magenta (28%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9142, 0.3667, 0.4860 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 40.9142, 0.3667, 0.4860 by changing the saturation by 10% instead.


 40.9142, 0.3667,
0.4860


 40.9142, 0.3667,
0.4860


349.9619, 0.3439,
0.4042


 28.2520, 0.3701,
0.5064


 76.5536, 0.3599,
0.4560

 18.5157, 0.3729,
0.5319


 100.2997, 0.3569,
0.4448


 11.3209, 0.3733,
0.5640


 128.5092, 0.3541,
0.4353

 6.2831, 0.3771,
0.6202

 161.5665, 0.3516,
0.4272

 3.0180, 0.3467,
0.6533

 199.8560, 0.3494,
0.4203

 1.1411, 0.2563,
0.7437

243.7622, 0.3474,

 0.0128, 0.0000,

0.4142

1.0000

293.6693, 0.3456,
0.4089

■ 0.0000, 0.0000,
0.0000

■ 40.9142, 0.3667,
0.4860

■ 40.9142, 0.3667,
0.4860

■ 40.2186, 0.3708,
0.5072

■ 41.7071, 0.3604,
0.4617

■ 39.6080, 0.3726,
0.5244

■ 42.5977, 0.3525,
0.4354

■ 39.0761, 0.3718,
0.5368

■ 43.5934, 0.3433,
0.4083

■ 38.6354, 0.3693,
0.5449

■ 44.6992, 0.3335,
0.3813

■ 45.9195, 0.3234,
0.3552

■ 47.2588, 0.3134,
0.3306

■ 48.7211, 0.3036,
0.3076

■ 50.3102, 0.2943,
0.2865

■ 52.0299, 0.2856,
0.2673

Harmonies

Analogous

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



40.9142, 0.4371, 0.4527



40.9142, 0.3667, 0.4860



40.9142, 0.2863, 0.4631

Triad

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



40.9142, 0.3667, 0.4860



40.9142, 0.1697, 0.2317



40.9142, 0.4086, 0.2774

Complementary

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



40.9142, 0.3667, 0.4860



10.9940, 0.2251, 0.1494

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.



40.9142, 0.3217, 0.2324



40.9142, 0.3667, 0.4860



40.9142, 0.1917, 0.2049

Square

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



40.9142, 0.3667, 0.4860



40.9142, 0.1775, 0.2924



40.9142, 0.2434, 0.2066



40.9142, 0.4691, 0.3341

Rectangle

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



40.9142, 0.3667, 0.4860



40.9142, 0.2378, 0.4132



40.9142, 0.2434, 0.2066



40.9142, 0.3807, 0.2606

Sweetspot

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



40.9160, 0.3667, 0.4860



80.5561, 0.3311, 0.3750



20.3247, 0.4685, 0.3721



17.6575, 0.3341, 0.3828



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.



40.9160, 0.3667, 0.4860



71.6291, 0.3717, 0.5138



36.8226, 0.3195, 0.5130



10.3700, 0.3221, 0.3519



26.9904, 0.3699, 0.5445



0.9813, 0.3832, 0.5339

Inverse Universe

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



10.9940, 0.2251, 0.1494



13.3625, 0.2023, 0.1123



15.4190, 0.2890, 0.1772



8.8414, 0.3028, 0.3057



2.9381, 0.1698, 0.0709



0.1362, 0.1997, 0.0874

Previews

White Background



This preview shows how the Yxy color 40.9142, 0.3667, 0.4860 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 40.9142, 0.3667, 0.4860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

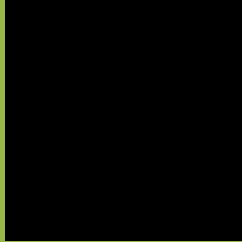
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9142, 0.3667, 0.4860

Background



This preview shows how black text looks on a background with the Yxy color 40.9142, 0.3667, 0.4860.



This preview shows how white text looks on a background with the Yxy color 40.9142, 0.3667, 0.4860.

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

40.9142, 0.3667, 0.4860

Protanopia

40.5026, 0.4149, 0.4557

Deuteranopia

40.5933, 0.4361, 0.4282



Tritanopia

40.9003, 0.2953, 0.3111

Trichromacy



Original Color

40.9142, 0.3667, 0.4860

Protanomaly

40.3322, 0.3973, 0.4666

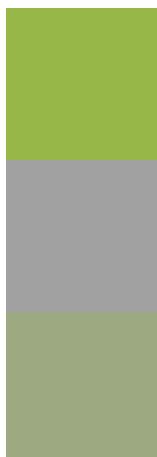
Deuteranomaly

40.0901, 0.4101, 0.4484

Tritanomaly

40.4352, 0.3238, 0.3756

Monochromacy



Original Color

40.9142, 0.3667, 0.4860

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.1290, 0.3359, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9142, 0.3667, 0.4860 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, 183, 72)` looks like.

```
.text, #text, p{  
    color:rgb(151, 183, 72)  
}
```

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, 183, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 183, 72) }
```

Border

The CSS property to change the border of an element to Yxy 40.9142, 0.3667, 0.4860 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, 183, 72) }
```

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

```
.border{ border-color:rgb(151, 183, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 183, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 183, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 183, 72);  
box-shadow:4px 4px 4px 4px rgb(151, 183,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9142, 0.3667, 0.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 183, 72) }
```

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

```
.background{ background-color: rgb(151,  
183, 72) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor