

Converting Colors

$Yxy(49.8099, 0.3657, 0.4352)$

Have a look what the booklet for
Yxy(49.8099, 0.3657, 0.4352)
contains.

Yxy(49.9438, 0.3661, 0.4355)	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(49.9438, 0.3661, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	B8C270
RGB	184, 194, 112
RGB Percent	72%, 76%, 44%
CMY	0.2784, 0.2392, 0.5608
CMYK	0.05, 0.00, 0.42, 0.24
HSL	67°, 40%, 60%
HSV	67°, 42%, 76%
XYZ	41.9849, 49.9438, 22.7528
YIQ	181.6620, 20.3620, -27.6220

Conversions

Conversions Part 2

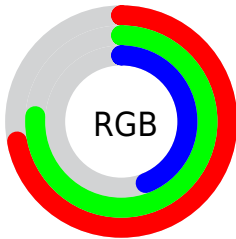
Format	Color
RYB	112, 194, 122
Decimal	12108400
CIELab	76.03, -15.91, 40.00
CIELCh	76, 43.045, 111.690
Yxy	49.9438, 0.3661, 0.4355
Android (android.graphics.Color)	4290298480 (0xFFB8C270)
YUV	181.6620, -34.3434, 2.0504
Hunter-Lab	70.6709, -17.6290, 30.3810

Details

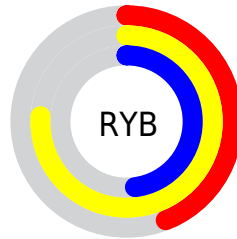
The Yxy color **49.9438, 0.3661, 0.4355** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.6175, 0.2434, 0.2027**, and the grayscale version is **46.7690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7886, 0.3578, 0.4159**, and **23.7711, 0.3770, 0.4643** is the 20% darker color. If you saturate the color by 10%, you get **49.2700, 0.3768, 0.4589**, and if you desaturate by 10%, it is **50.7201, 0.3541, 0.4105**.

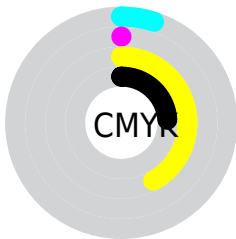
Distribution



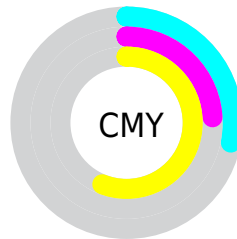
- Red (72%)
- Green (76%)
- Blue (44%)



- Red (44%)
- Yellow (76%)
- Blue (48%)



- Cyan (5%)
- Magenta (0%)
- Yellow (42%)
- Black (24%)





- Cyan (28%)
- Magenta (24%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9438, 0.3661, 0.4355 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 49.9438, 0.3661, 0.4355 by changing the saturation by 10% instead.


 49.9438, 0.3661,
0.4355


 49.9438, 0.3661,
0.4355


386.4461, 0.3415,
0.3821

 35.3687, 0.3713,
0.4485


 90.0916, 0.3578,
0.4162


 23.9471, 0.3774,
0.4649

 116.4331, 0.3545,
0.4090

 15.2944, 0.3842,
0.4859


 147.4656, 0.3516,
0.4028

 9.0262, 0.3914,
0.5135

 183.5735, 0.3491,
0.3975

 4.7583, 0.4023,
0.5576

225.1410, 0.3469,
0.3928

 2.1062, 0.3970,
0.6030

272.5527, 0.3449,

 0.6681, 0.2696,

0.3888

0.7304

326.1930, 0.3431,
0.3853

0.0000, 0.0000,
0.0000

49.9438, 0.3661,
0.4355

49.9438, 0.3661,
0.4355

49.2700, 0.3768,
0.4589

50.7201, 0.3541,
0.4105

48.6858, 0.3857,
0.4796

51.5977, 0.3414,
0.3847

48.1868, 0.3924,
0.4967


52.5838, 0.3284,
0.3592


47.7652, 0.3965,
0.5096


53.6833, 0.3156,
0.3345


47.4117, 0.3981,
0.5180


54.9006, 0.3032,
0.3110

 47.1717, 0.3980,
0.5222

 56.2399, 0.2915,
0.2892

 57.7053, 0.2805,
0.2690

 58.4901, 0.2777,
0.2622

 58.8243, 0.2793,
0.2625

Harmonies

Analogous

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



49.9438, 0.4111, 0.4128



49.9438, 0.3661, 0.4355



49.9438, 0.3091, 0.4247

Triad

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



49.9438, 0.3661, 0.4355



49.9438, 0.2077, 0.2693



49.9438, 0.3674, 0.2847

Complementary

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



49.9438, 0.3661, 0.4355



19.6175, 0.2434, 0.2027

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.



49.9438, 0.3075, 0.2532



49.9438, 0.3661, 0.4355



49.9438, 0.2196, 0.2422

Square

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



49.9438, 0.3661, 0.4355



49.9438, 0.2200, 0.3183



49.9438, 0.2542, 0.2377



49.9438, 0.4142, 0.3267

Rectangle

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



49.9438, 0.3661, 0.4355



49.9438, 0.2723, 0.3969



49.9438, 0.2542, 0.2377



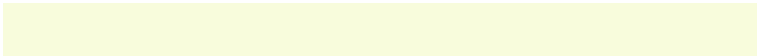
49.9438, 0.3478, 0.2727

Sweetspot

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



49.9461, 0.3661, 0.4355



95.0907, 0.3296, 0.3615



26.4500, 0.4151, 0.3423



20.7329, 0.3325, 0.3672



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.



49.9461, 0.3661, 0.4355



89.3153, 0.3764, 0.4579



45.6323, 0.3308, 0.4491



11.6941, 0.3246, 0.3519



31.0370, 0.3983, 0.5220



1.3589, 0.4033, 0.5180

Inverse Universe

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



19.6175, 0.2434, 0.2027



26.9195, 0.2245, 0.1701



23.2218, 0.2837, 0.2157



9.8055, 0.3002, 0.3053



2.7052, 0.1550, 0.0627



0.1367, 0.1701, 0.0711

Previews

White Background



This preview shows how the Yxy color 49.9438, 0.3661, 0.4355 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 49.9438, 0.3661, 0.4355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

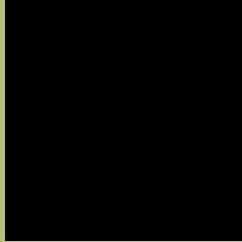
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.9438, 0.3661, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 49.9438, 0.3661, 0.4355.



This preview shows how white text looks on a background with the Yxy color 49.9438, 0.3661, 0.4355.

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

49.9438, 0.3661, 0.4355

Protanopia

49.6456, 0.3900, 0.4231

Deuteranopia

49.6468, 0.4100, 0.4024



Tritanopia

49.8275, 0.3102, 0.3117

Trichromacy



Original Color

49.9438, 0.3661, 0.4355

Protanomaly

49.8449, 0.3804, 0.4279

Deuteranomaly

49.3448, 0.3941, 0.4134

Tritanomaly

49.7036, 0.3309, 0.3560

Monochromacy



Original Color

49.9438, 0.3661, 0.4355

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.6194, 0.3331, 0.3674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9438, 0.3661, 0.4355 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(184, 194, 112)` looks like.

```
.text, #text, p{  
    color:rgb(184, 194, 112)  
}
```

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(184, 194, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 194, 112) }
```

Border

The CSS property to change the border of an element to Yxy 49.9438, 0.3661, 0.4355 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(184, 194, 112) }
```

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

```
.border{ border-color:rgb(184, 194, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 194, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 194, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 194, 112);  
box-shadow:4px 4px 4px 4px rgb(184, 194,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9438, 0.3661, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 194, 112) }
```

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

```
.background{ background-color: rgb(184,  
194, 112) }
```

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