

Converting Colors

$Y_{xy}(48.1671, 0.3656, 0.5139)$

Have a look what the booklet for
Yxy(48.1671, 0.3656, 0.5139)
contains.

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Color

Yxy(48.2695, 0.3657, 0.5144)

Conversions

Conversions Part 1

Format	Color
Hex	98C838
RGB	152, 200, 56
RGB Percent	60%, 78%, 22%
CMY	0.4040, 0.2157, 0.7803
CMYK	0.24, 0.00, 0.72, 0.22
HSL	80°, 57%, 50%
HSV	80°, 72%, 78%
XYZ	34.3160, 48.2695, 11.2510
YIQ	169.2320, 17.6160, -54.9600

Conversions

Conversions Part 2

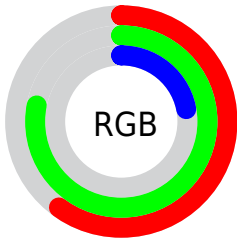
Format	Color
RYB	56, 200, 104
Decimal	10012728
CIELab	74.99, -36.19, 63.04
CIELCh	75, 72.684, 119.858
Yxy	48.2695, 0.3657, 0.5144
Android (android.graphics.Color)	4288202808 (0xFF98C838)
YUV	169.2320, -55.8234, -15.1125
Hunter-Lab	69.4763, -33.4180, 39.0319

Details

The Yxy color **48.2695, 0.3657, 0.5144** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **9.9452, 0.2111, 0.1196**, and the grayscale version is **40.0735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3915, 0.3621, 0.4794**, and **23.0446, 0.3613, 0.5513** is the 20% darker color. If you saturate the color by 10%, you get **47.4879, 0.3662, 0.5317**, and if you desaturate by 10%, it is **49.1697, 0.3627, 0.4928**.

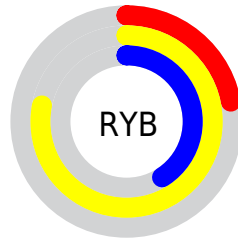
Distribution



Red (60%)

Green (78%)

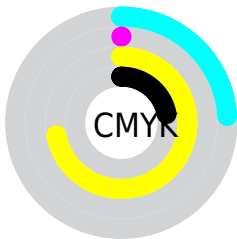
Blue (22%)



Red (22%)

Yellow (78%)

Blue (41%)

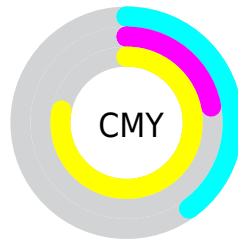


Cyan (24%)

Magenta (0%)

Yellow (72%)

Black (22%)



Cyan (40%)


Magenta (22%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2695, 0.3657, 0.5144 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 48.2695, 0.3657, 0.5144 by changing the saturation by 10% instead.


 48.2695, 0.3657,
0.5144

 48.2695, 0.3657,
0.5144


379.8594, 0.3467,
0.4206


 34.0404, 0.3672,
0.5364


 87.6055, 0.3611,
0.4810


 22.9246, 0.3669,
0.5631


 113.4812, 0.3586,
0.4682


 14.5378, 0.3629,
0.5954


 144.0078, 0.3563,
0.4572

 8.4957, 0.3565,
0.6435

 179.5698, 0.3540,
0.4478

 4.4137, 0.3234,
0.6766

 220.5516, 0.3520,
0.4396

 1.9076, 0.2669,
0.7331

267.3375, 0.3501,

 0.5529, 0.0000,

0.4325

1.0000

320.3120, 0.3483,
0.4262

■ 0.0000, 0.0000,
0.0000

■ 48.2695, 0.3657,
0.5144

■ 48.2695, 0.3657,
0.5144

■ 47.4879, 0.3662,
0.5317

■ 49.1697, 0.3627,
0.4928

■ 46.8080, 0.3643,
0.5441

■ 50.1910, 0.3575,
0.4678

■ 46.3234, 0.3615,
0.5512

■ 51.3434, 0.3505,
0.4409

■ 52.6338, 0.3423,
0.4131

■ 54.0687, 0.3333,
0.3855

■ 55.6542, 0.3240,
0.3589

■ 57.3958, 0.3146,
0.3338

■ 59.2988, 0.3054,
0.3105

■ 61.3682, 0.2966,
0.2892

Harmonies

Analogous

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



48.2695, 0.4489, 0.4717



48.2695, 0.3657, 0.5144



48.2695, 0.2739, 0.4867

Triad

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



48.2695, 0.3657, 0.5144



48.2695, 0.1508, 0.2127



48.2695, 0.4307, 0.2721

Complementary

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



48.2695, 0.3657, 0.5144



9.9452, 0.2111, 0.1196

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.



48.2695, 0.3282, 0.2211



48.2695, 0.3657, 0.5144



48.2695, 0.1771, 0.1865

Square

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



48.2695, 0.3657, 0.5144



48.2695, 0.1565, 0.2785



48.2695, 0.2365, 0.1909



48.2695, 0.4984, 0.3353

Rectangle

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



48.2695, 0.3657, 0.5144



48.2695, 0.2198, 0.4232



48.2695, 0.2365, 0.1909



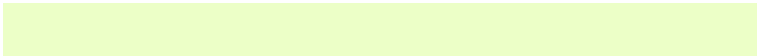
48.2695, 0.3979, 0.2532

Sweetspot

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



48.2716, 0.3657, 0.5144



93.5219, 0.3336, 0.3864



22.4690, 0.5042, 0.3842



19.8663, 0.3361, 0.3939



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.



48.2716, 0.3657, 0.5144



81.5751, 0.3655, 0.5389



43.3032, 0.3133, 0.5496



12.2330, 0.3215, 0.3522



29.5027, 0.3623, 0.5506



1.4354, 0.3744, 0.5409

Inverse Universe

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



9.9452, 0.2111, 0.1196



11.7040, 0.1888, 0.0885



16.2313, 0.2911, 0.1588



10.4564, 0.3034, 0.3055



3.4475, 0.1754, 0.0740



0.2030, 0.1995, 0.0872

Previews

White Background



This preview shows how the Yxy color 48.2695, 0.3657, 0.5144 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 48.2695, 0.3657, 0.5144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

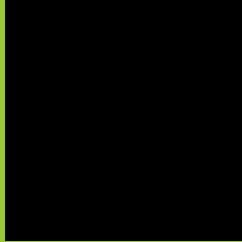
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2695, 0.3657, 0.5144

Background



This preview shows how black text looks on a background with the Yxy color 48.2695, 0.3657, 0.5144.



This preview shows how white text looks on a background with the Yxy color 48.2695, 0.3657, 0.5144.

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

48.2695, 0.3657, 0.5144

Protanopia

47.6507, 0.4277, 0.4716

Deuteranopia

47.8763, 0.4505, 0.4407



Tritanopia

48.1927, 0.2881, 0.3108

Trichromacy



Original Color

48.2695, 0.3657, 0.5144

Protanomaly

47.5231, 0.4040, 0.4884

Deuteranomaly

47.1853, 0.4195, 0.4673

Tritanomaly

47.6239, 0.3220, 0.3902

Monochromacy



Original Color

48.2695, 0.3657, 0.5144

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.9876, 0.3397, 0.4038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2695, 0.3657, 0.5144 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(152, 200, 56)` looks like.

```
.text, #text, p{  
    color:rgb(152, 200, 56)  
}
```

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(152, 200, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 200, 56) }
```

Border

The CSS property to change the border of an element to Yxy 48.2695, 0.3657, 0.5144 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(152, 200, 56) }
```

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

```
.border{ border-color:rgb(152, 200, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 200, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 200, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 200, 56);  
box-shadow:4px 4px 4px 4px rgb(152, 200,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2695, 0.3657, 0.5144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 200, 56) }
```

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

```
.background{ background-color: rgb(152,  
200, 56) }
```

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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