

Converting Colors

$Yxy(48.3428, 0.3629, 0.5086)$

Have a look what the booklet for
Yxy(48.3428, 0.3629, 0.5086)
contains.

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Color

Yxy(48.3428, 0.3629, 0.5086)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 98C83F |
| RGB | 152, 200, 63 |
| RGB Percent | 60%, 78%, 25% |
| CMY | 0.4041, 0.2156, 0.7530 |
| CMYK | 0.24, 0.00, 0.69, 0.22 |
| HSL | 81°, 55%, 52% |
| HSV | 81°, 69%, 78% |
| XYZ | 34.4939, 48.3428, 12.2140 |
| YIQ | 170.0300, 15.3690, -52.7830 |

Conversions

Conversions Part 2

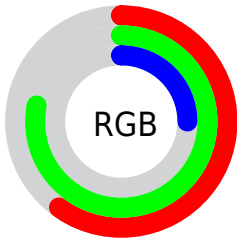
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 63, 200, 111 |
| Decimal | 10012735 |
| CIELab | 75.04, -35.77, 60.51 |
| CIELCh | 75, 70.292, 120.589 |
| Yxy | 48.3428, 0.3629, 0.5086 |
| Android (android.graphics.Color) | 4288202815 (0xFF98C83F) |
| YUV | 170.0300, -52.7658, -15.8123 |
| Hunter-Lab | 69.5290, -33.1204, 38.2549 |

Details

The Yxy color **48.3428, 0.3629, 0.5086** 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 **11.1079, 0.2190, 0.1296**, and the grayscale version is **40.4731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3833, 0.3588, 0.4744**, and **23.0992, 0.3624, 0.5504** is the 20% darker color. If you saturate the color by 10%, you get **47.5037, 0.3640, 0.5279**, and if you desaturate by 10%, it is **49.3074, 0.3594, 0.4853**.

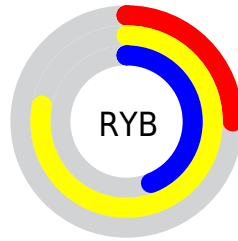
Distribution



Red (60%)

Green (78%)

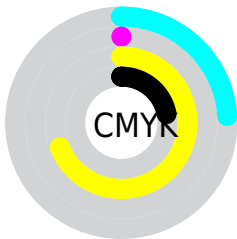
Blue (25%)



Red (25%)

Yellow (78%)

Blue (44%)

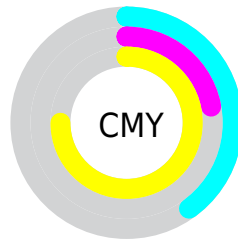


Cyan (24%)

Magenta (0%)

Yellow (69%)

Black (22%)



Cyan (40%)


Magenta (22%)


Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3428, 0.3629, 0.5086 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 48.3428, 0.3629, 0.5086 by changing the saturation by 10% instead.


 48.3428, 0.3629,
0.5086


 48.3428, 0.3629,
0.5086

380.1493, 0.3446,
0.4173


 34.0984, 0.3645,
0.5303


 87.7146, 0.3583,
0.4759


 22.9692, 0.3646,
0.5569


 113.6108, 0.3559,
0.4634

 14.5708, 0.3614,
0.5894


 144.1597, 0.3537,
0.4528

 8.5187, 0.3582,
0.6418

 179.7458, 0.3516,
0.4437

 4.4286, 0.3255,
0.6745

 220.7534, 0.3496,
0.4358

 1.9161, 0.2702,
0.7298

267.5669, 0.3478,

 0.5580, 0.0000,

0.4289

1.0000

320.5708, 0.3461,
0.4228

0.0000, 0.0000,
0.0000

48.3428, 0.3629,
0.5086

48.3428, 0.3629,
0.5086

47.5037, 0.3640,
0.5279

49.3074, 0.3594,
0.4853

46.7737, 0.3627,
0.5423

50.3997, 0.3538,
0.4593

46.1397, 0.3592,
0.5521

51.6294, 0.3467,
0.4316

46.0499, 0.3586,
0.5534

53.0035, 0.3384,
0.4036

54.5282, 0.3295,
0.3762

■ 56.2096, 0.3204,
0.3500

■ 58.0532, 0.3114,
0.3255

■ 60.0642, 0.3026,
0.3029

■ 62.2477, 0.2942,
0.2823

Harmonies

Analogous

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



48.3428, 0.4441, 0.4698



48.3428, 0.3629, 0.5086



48.3428, 0.2736, 0.4789

Triad

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



48.3428, 0.3629, 0.5086



48.3428, 0.1552, 0.2152



48.3428, 0.4290, 0.2753

Complementary

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



48.3428, 0.3629, 0.5086



11.1079, 0.2190, 0.1296

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.



48.3428, 0.3303, 0.2250



48.3428, 0.3629, 0.5086



48.3428, 0.1817, 0.1901

Square

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



48.3428, 0.3629, 0.5086



48.3428, 0.1602, 0.2785



48.3428, 0.2407, 0.1949



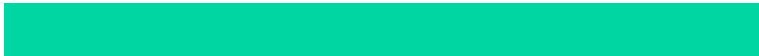
48.3428, 0.4933, 0.3375

Rectangle

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



48.3428, 0.3629, 0.5086



48.3428, 0.2213, 0.4172



48.3428, 0.2407, 0.1949



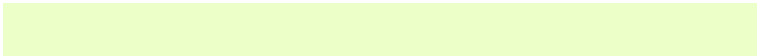
48.3428, 0.3976, 0.2568

Sweetspot

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



48.3449, 0.3629, 0.5086



93.6284, 0.3321, 0.3837



23.9982, 0.4893, 0.3863



19.8808, 0.3346, 0.3914



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.



48.3449, 0.3629, 0.5086



81.6202, 0.3637, 0.5353



43.5378, 0.3127, 0.5409



12.2237, 0.3212, 0.3522



29.3271, 0.3595, 0.5528



1.4279, 0.3722, 0.5427

Inverse Universe

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



11.1079, 0.2190, 0.1296



13.1051, 0.1968, 0.0967



17.3638, 0.2953, 0.1659



10.4654, 0.3036, 0.3055



3.5285, 0.1778, 0.0753



0.2075, 0.2020, 0.0887

Previews

White Background



This preview shows how the Yxy color 48.3428, 0.3629, 0.5086 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 48.3428, 0.3629, 0.5086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

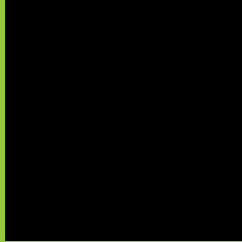
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3428, 0.3629, 0.5086

Background



This preview shows how black text looks on a background with the Yxy color 48.3428, 0.3629, 0.5086.



This preview shows how white text looks on a background with the Yxy color 48.3428, 0.3629, 0.5086.

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

48.3428, 0.3629, 0.5086

Protanopia

47.7186, 0.4246, 0.4671

Deuteranopia

47.7858, 0.4463, 0.4369



Tritanopia

48.2399, 0.2874, 0.3095

Trichromacy



Original Color

48.3428, 0.3629, 0.5086

Protanomaly

47.5923, 0.4010, 0.4834

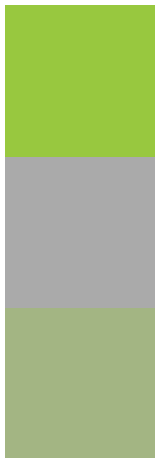
Deuteranomaly

47.1282, 0.4150, 0.4624

Tritanomaly

47.7202, 0.3197, 0.3859

Monochromacy



Original Color

48.3428, 0.3629, 0.5086

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.4730, 0.3371, 0.4007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3428, 0.3629, 0.5086 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(152, 200, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 200, 63) }
```

Border

The CSS property to change the border of an element to Yxy 48.3428, 0.3629, 0.5086 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, 63) }
```

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

```
.border{ border-color:rgb(152, 200, 63) }
```

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, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 200, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 200, 63);  
box-shadow:4px 4px 4px 4px rgb(152, 200,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3428, 0.3629, 0.5086 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, 63) }
```

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

```
.background{ background-color: rgb(152,  
200, 63) }
```

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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