

Converting Colors

$Y_{xy}(50.7008, 0.3720, 0.5098)$

Have a look what the booklet for
Yxy(50.7008, 0.3720, 0.5098)
contains.

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Color

Yxy(50.6887, 0.3722, 0.5100)

Conversions

Conversions Part 1

Format	Color
Hex	A2CB39
RGB	162, 203, 57
RGB Percent	64%, 80%, 22%
CMY	0.3648, 0.2039, 0.7764
CMYK	0.20, 0.00, 0.72, 0.20
HSL	77°, 58%, 51%
HSV	77°, 72%, 80%
XYZ	36.9928, 50.6887, 11.7081
YIQ	174.0970, 22.4300, -54.0980

Conversions

Conversions Part 2

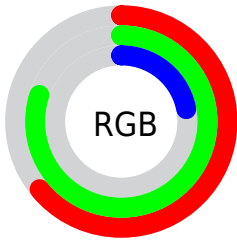
Format	Color
RYB	57, 203, 98
Decimal	10668857
CIELab	76.49, -33.61, 64.36
CIELCh	76, 72.605, 117.571
Yxy	50.6887, 0.3722, 0.5100
Android (android.graphics.Color)	4288858937 (0xFFA2CB39)
YUV	174.0970, -57.7288, -10.6091
Hunter-Lab	71.1960, -31.8460, 40.0870

Details

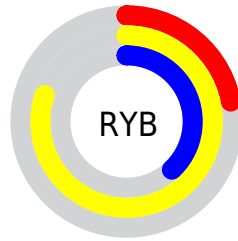
The Yxy color **50.6887, 0.3722, 0.5100** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **9.8409, 0.2043, 0.1163**, and the grayscale version is **42.6749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9279, 0.3686, 0.4748**, and **24.5591, 0.3700, 0.5444** is the 20% darker color. If you saturate the color by 10%, you get **49.9432, 0.3736, 0.5263**, and if you desaturate by 10%, it is **51.5468, 0.3683, 0.4894**.

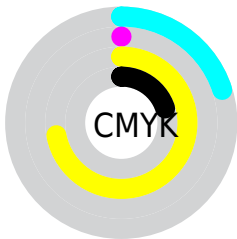
Distribution



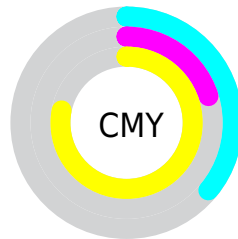
- Red (64%)
- Green (80%)
- Blue (22%)



- Red (22%)
- Yellow (80%)
- Blue (38%)



- Cyan (20%)
- Magenta (0%)
- Yellow (72%)
- Black (20%)




- Cyan (36%)
- Magenta (20%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6887, 0.3722, 0.5100 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 50.6887, 0.3722, 0.5100 by changing the saturation by 10% instead.


 50.6887, 0.3722,
0.5100

 50.6887, 0.3722,
0.5100


389.3531, 0.3501,
0.4199


 35.9609, 0.3745,
0.5307


 91.1945, 0.3664,
0.4782

 24.4040, 0.3754,
0.5556


 117.7412, 0.3636,
0.4659


 15.6336, 0.3730,
0.5854


 148.9964, 0.3609,
0.4554

 9.2652, 0.3698,
0.6302

 185.3445, 0.3583,
0.4463

 4.9146, 0.3410,
0.6590

 227.1698, 0.3560,
0.4384

 2.1972, 0.2944,
0.7056

274.8567, 0.3538,

 0.7185, 0.0000,

0.4315

1.0000

328.7897, 0.3519,
0.4253

■ 0.0000, 0.0000,
0.0000

■ 50.6887, 0.3722,
0.5100

■ 50.6887, 0.3722,
0.5100

■ 49.9432, 0.3736,
0.5263

■ 51.5468, 0.3683,
0.4894

■ 49.2929, 0.3725,
0.5378

■ 52.5197, 0.3622,
0.4655

■ 48.8227, 0.3702,
0.5443

■ 53.6175, 0.3543,
0.4393

■ 54.8472, 0.3451,
0.4122

■ 56.2154, 0.3352,
0.3850

■ 57.7280, 0.3249,
0.3586

■ 59.3907, 0.3146,
0.3336

■ 61.2085, 0.3047,
0.3103

■ 63.1866, 0.2952,
0.2888

Harmonies

Analogous

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



50.6887, 0.4526, 0.4653



50.6887, 0.3722, 0.5100



50.6887, 0.2815, 0.4887

Triad

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



50.6887, 0.3722, 0.5100



50.6887, 0.1522, 0.2180



50.6887, 0.4216, 0.2686

Complementary

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



50.6887, 0.3722, 0.5100



9.8409, 0.2043, 0.1163

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.



50.6887, 0.3203, 0.2195



50.6887, 0.3722, 0.5100



50.6887, 0.1758, 0.1893

Square

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



50.6887, 0.3722, 0.5100



50.6887, 0.1605, 0.2863



50.6887, 0.2320, 0.1915



50.6887, 0.4924, 0.3306

Rectangle

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



50.6887, 0.3722, 0.5100



50.6887, 0.2270, 0.4297



50.6887, 0.2320, 0.1915



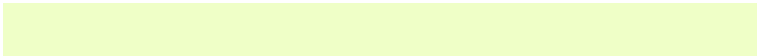
50.6887, 0.3888, 0.2503

Sweetspot

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



50.6910, 0.3722, 0.5100



94.0304, 0.3356, 0.3860



21.3511, 0.5153, 0.3724



19.9871, 0.3383, 0.3935



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.



50.6910, 0.3722, 0.5100



83.0318, 0.3733, 0.5329



45.2401, 0.3188, 0.5459



12.9321, 0.3223, 0.3522



31.1156, 0.3709, 0.5437



1.6422, 0.3807, 0.5359

Inverse Universe

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



9.8409, 0.2043, 0.1163



11.0232, 0.1816, 0.0847



15.6703, 0.2796, 0.1532



10.9941, 0.3025, 0.3053



3.3384, 0.1686, 0.0702



0.2110, 0.1902, 0.0821

Previews

White Background



This preview shows how the Yxy color 50.6887, 0.3722, 0.5100 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 50.6887, 0.3722, 0.5100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

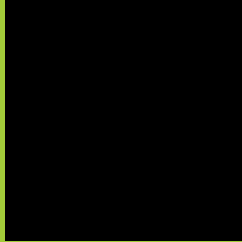
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6887, 0.3722, 0.5100

Background



This preview shows how black text looks on a background with the Yxy color 50.6887, 0.3722, 0.5100.



This preview shows how white text looks on a background with the Yxy color 50.6887, 0.3722, 0.5100.

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

50.6887, 0.3722, 0.5100

Protanopia

50.5011, 0.4275, 0.4724

Deuteranopia

50.2957, 0.4513, 0.4419



Tritanopia

50.2198, 0.2930, 0.3100

Trichromacy



Original Color

50.6887, 0.3722, 0.5100

Protanomaly

50.1874, 0.4069, 0.4868

Deuteranomaly

49.7352, 0.4213, 0.4667

Tritanomaly

49.5886, 0.3270, 0.3870

Monochromacy



Original Color

50.6887, 0.3722, 0.5100

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.8827, 0.3424, 0.4042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6887, 0.3722, 0.5100 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(162, 203, 57)` looks like.

```
.text, #text, p{  
    color:rgb(162, 203, 57)  
}
```

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(162, 203, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 203, 57) }
```

Border

The CSS property to change the border of an element to Yxy 50.6887, 0.3722, 0.5100 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(162, 203, 57) }
```

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

```
.border{ border-color:rgb(162, 203, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 203, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 203, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 203, 57);  
box-shadow:4px 4px 4px 4px rgb(162, 203,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6887, 0.3722, 0.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 203, 57) }
```

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

```
.background{ background-color: rgb(162,  
203, 57) }
```

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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