

Converting Colors

$Yxy(50.1921, 0.3783, 0.4882)$

Have a look what the booklet for
Yxy(50.1921, 0.3783, 0.4882)
contains.

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Color

Yxy(50.1990, 0.3777, 0.4883)

Conversions

Conversions Part 1

Format	Color
Hex	ADC748
RGB	173, 199, 72
RGB Percent	68%, 78%, 28%
CMY	0.3215, 0.2196, 0.7176
CMYK	0.13, 0.00, 0.64, 0.22
HSL	72°, 53%, 53%
HSV	72°, 64%, 78%
XYZ	38.8289, 50.1990, 13.7757
YIQ	176.7480, 25.2710, -45.0090

Conversions

Conversions Part 2

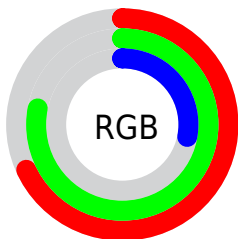
Format	Color
RYB	72, 199, 98
Decimal	11388744
CIELab	76.19, -26.37, 58.55
CIELCh	76, 64.214, 114.251
Yxy	50.1990, 0.3777, 0.4883
Android (android.graphics.Color)	4289578824 (0xFFADC748)
YUV	176.7480, -51.6408, -3.2870
Hunter-Lab	70.8513, -26.1656, 38.0681

Details

The Yxy color **50.1990, 0.3777, 0.4883** 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 **11.3573, 0.2095, 0.1347**, and the grayscale version is **44.0962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0153, 0.3702, 0.4598**, and **24.0459, 0.3851, 0.5293** is the 20% darker color. If you saturate the color by 10%, you get **49.5248, 0.3825, 0.5065**, and if you desaturate by 10%, it is **50.9759, 0.3706, 0.4664**.

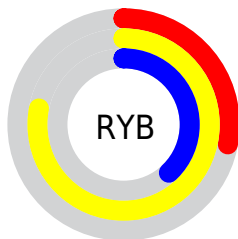
Distribution



Red (68%)

Green (78%)

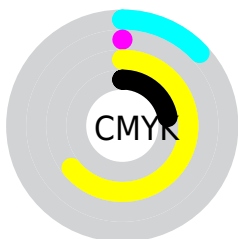
Blue (28%)



Red (28%)

Yellow (78%)

Blue (38%)

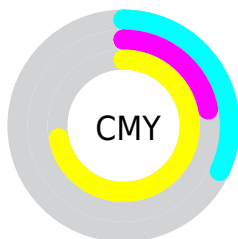


Cyan (13%)

Magenta (0%)

Yellow (64%)

Black (22%)



Cyan (32%)


Magenta (22%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1990, 0.3777, 0.4883 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 50.1990, 0.3777, 0.4883 by changing the saturation by 10% instead.


 50.1990, 0.3777,
0.4883


 50.1990, 0.3777,
0.4883


387.4436, 0.3510,
0.4091


 35.5715, 0.3818,
0.5067


 90.4697, 0.3698,
0.4603


 24.1035, 0.3855,
0.5290


 116.8816, 0.3662,
0.4495


 15.4104, 0.3873,
0.5560


 147.9906, 0.3630,
0.4403

 9.1079, 0.3884,
0.5940

 184.1809, 0.3601,
0.4323

 4.8116, 0.3727,
0.6273

 225.8370, 0.3575,
0.4254

 2.1372, 0.3355,
0.6645

273.3432, 0.3551,

 0.6854, 0.0110,

0.4193

0.9890

327.0839, 0.3529,
0.4139

0.0000, 0.0000,
0.0000

50.1990, 0.3777,
0.4883

50.1990, 0.3777,
0.4883

49.5248, 0.3825,
0.5065

50.9759, 0.3706,
0.4664

48.9380, 0.3847,
0.5204

51.8562, 0.3616,
0.4419

48.4305, 0.3844,
0.5297

52.8488, 0.3513,
0.4159

48.1444, 0.3834,
0.5338

53.9597, 0.3401,
0.3894

55.1946, 0.3286,
0.3633

■ 56.5587, 0.3170,
0.3382

■ 58.0567, 0.3058,
0.3145

■ 59.6934, 0.2952,
0.2926

■ 61.4731, 0.2851,
0.2724

Harmonies

Analogous

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



50.1990, 0.4472, 0.4484



50.1990, 0.3777, 0.4883



50.1990, 0.2956, 0.4742

Triad

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



50.1990, 0.3777, 0.4883



50.1990, 0.1659, 0.2350



50.1990, 0.4004, 0.2693

Complementary

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



50.1990, 0.3777, 0.4883



11.3573, 0.2095, 0.1347

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.



50.1990, 0.3104, 0.2256



50.1990, 0.3777, 0.4883



50.1990, 0.1845, 0.2039

Square

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



50.1990, 0.3777, 0.4883



50.1990, 0.1777, 0.3017



50.1990, 0.2332, 0.2023



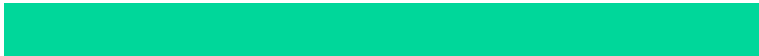
50.1990, 0.4680, 0.3260

Rectangle

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



50.1990, 0.3777, 0.4883



50.1990, 0.2445, 0.4272



50.1990, 0.2332, 0.2023



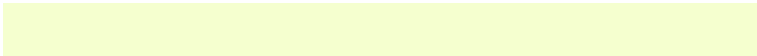
50.1990, 0.3709, 0.2529

Sweetspot

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



50.2013, 0.3777, 0.4883



95.4305, 0.3349, 0.3775



21.2363, 0.4924, 0.3601



20.2944, 0.3382, 0.3851



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.



50.2013, 0.3777, 0.4883



86.2509, 0.3838, 0.5131



44.6379, 0.3262, 0.5194



12.3032, 0.3234, 0.3520



30.9953, 0.3839, 0.5334



1.4961, 0.3917, 0.5272

Inverse Universe

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



11.3573, 0.2095, 0.1347



12.9556, 0.1852, 0.0971



16.3276, 0.2748, 0.1643



10.3903, 0.3014, 0.3053



2.9815, 0.1609, 0.0660



0.1727, 0.1813, 0.0773

Previews

White Background



This preview shows how the Yxy color 50.1990, 0.3777, 0.4883 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 50.1990, 0.3777, 0.4883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

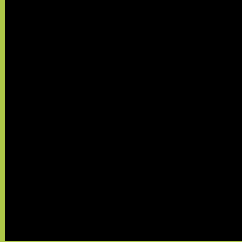
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1990, 0.3777, 0.4883

Background



This preview shows how black text looks on a background with the Yxy color 50.1990, 0.3777, 0.4883.



This preview shows how white text looks on a background with the Yxy color 50.1990, 0.3777, 0.4883.

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

50.1990, 0.3777, 0.4883

Protanopia

49.9514, 0.4192, 0.4617

Deuteranopia

49.7289, 0.4430, 0.4325



Tritanopia

49.8997, 0.3022, 0.3103

Trichromacy



Original Color

50.1990, 0.3777, 0.4883

Protanomaly

49.8772, 0.4039, 0.4716

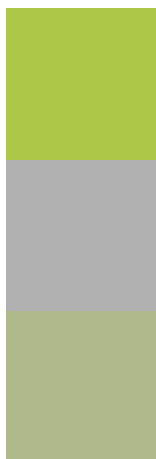
Deuteranomaly

49.4885, 0.4188, 0.4532

Tritanomaly

49.5398, 0.3337, 0.3778

Monochromacy



Original Color

50.1990, 0.3777, 0.4883

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.7921, 0.3415, 0.3918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1990, 0.3777, 0.4883 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(173, 199, 72)` looks like.

```
.text, #text, p{  
    color:rgb(173, 199, 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(173, 199, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 199, 72) }
```

Border

The CSS property to change the border of an element to Yxy 50.1990, 0.3777, 0.4883 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(173, 199, 72) }
```

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

```
.border{ border-color:rgb(173, 199, 72) }
```

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

Here you see how a box with a 4 pixel rgb(173, 199, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 199, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 199, 72);  
box-shadow:4px 4px 4px 4px rgb(173, 199,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1990, 0.3777, 0.4883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 199, 72) }
```

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

```
.background{ background-color: rgb(173,  
199, 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](#).

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