

Converting Colors

$Y_{xy}(51.1998, 0.3812, 0.4339)$

Have a look what the booklet for
Yxy(51.1998, 0.3812, 0.4339)
contains.

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Color

Yxy(51.2284, 0.3819, 0.4342)

Conversions

Conversions Part 1

Format	Color
Hex	C6C16C
RGB	198, 193, 108
RGB Percent	78%, 76%, 42%
CMY	0.2237, 0.2431, 0.5765
CMYK	0.00, 0.02, 0.45, 0.22
HSL	57°, 44%, 60%
HSV	57°, 45%, 78%
XYZ	45.0579, 51.2284, 21.6972
YIQ	184.8050, 30.2650, -25.3750

Conversions

Conversions Part 2

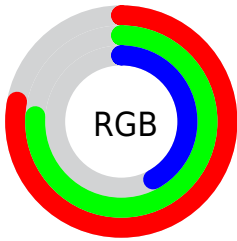
Format	Color
R _{YB}	113, 198, 108
Decimal	13025644
CIE Lab	76.82, -10.21, 43.21
CIE LCh	77, 44.401, 103.293
Yxy	51.2284, 0.3819, 0.4342
Android (android.graphics.Color)	4291215724 (0xFFC6C16C)
YUV	184.8050, -37.8649, 11.5720
Hunter-Lab	71.5740, -12.8837, 32.1285

Details

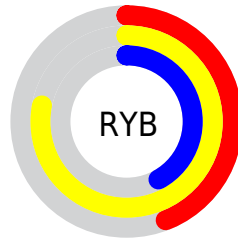
The Yxy color **51.2284, 0.3819, 0.4342** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.0592, 0.2290, 0.1960**, and the grayscale version is **48.6016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5846, 0.3703, 0.4159**, and **24.8124, 0.3960, 0.4614** is the 20% darker color. If you saturate the color by 10%, you get **50.3765, 0.3955, 0.4541**, and if you desaturate by 10%, it is **52.1842, 0.3670, 0.4121**.

Distribution



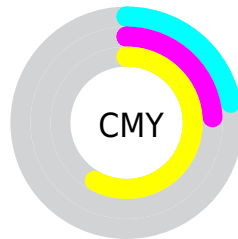
- Red (78%)
- Green (76%)
- Blue (42%)



- Red (44%)
- Yellow (78%)
- Blue (42%)



- Cyan (0%)
- Magenta (2%)
- Yellow (45%)
- Black (22%)




- Cyan (22%)
- Magenta (24%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2284, 0.3819, 0.4342 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 51.2284, 0.3819, 0.4342 by changing the saturation by 10% instead.


 51.2284, 0.3819,
0.4342

 51.2284, 0.3819,
0.4342


391.4505, 0.3497,
0.3826


 36.3904, 0.3889,
0.4463


 91.9923, 0.3709,
0.4159

 24.7359, 0.3970,
0.4613


 118.6870, 0.3666,
0.4089

 15.8804, 0.4065,
0.4800

 150.1027, 0.3628,
0.4029

 9.4395, 0.4170,
0.5035

 186.6239, 0.3595,
0.3977

 5.0290, 0.4347,
0.5425

228.6348, 0.3566,
0.3932

 2.2643, 0.4316,
0.5684

276.5200, 0.3541,

 0.7547, 0.3828,

0.3893

0.6172

330.6638, 0.3518,
0.3857

0.0000, 0.0000,
0.0000

51.2284, 0.3819,
0.4342

51.2284, 0.3819,
0.4342

50.3765, 0.3955,
0.4541

52.1842, 0.3670,
0.4121

49.6149, 0.4073,
0.4708

53.2429, 0.3515,
0.3887

48.9386, 0.4168,
0.4835


54.4122, 0.3359,
0.3649

48.3390, 0.4237,
0.4920

55.6973, 0.3207,
0.3414

47.8056, 0.4279,
0.4962

57.1028, 0.3062,
0.3189

 47.5752, 0.4293,
0.4973

 58.6334, 0.2926,
0.2975

 60.2932, 0.2800,
0.2776

 61.3327, 0.2750,
0.2703

 61.8444, 0.2751,
0.2716

Harmonies

Analogous

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



51.2284, 0.4219, 0.4040



51.2284, 0.3819, 0.4342



51.2284, 0.3255, 0.4342

Triad

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



51.2284, 0.3819, 0.4342



51.2284, 0.2065, 0.2798



51.2284, 0.3518, 0.2734

Complementary

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



51.2284, 0.3819, 0.4342



19.0592, 0.2290, 0.1960

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.



51.2284, 0.2906, 0.2454



51.2284, 0.3819, 0.4342



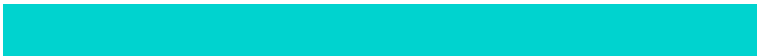
51.2284, 0.2119, 0.2457

Square

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



51.2284, 0.3819, 0.4342



51.2284, 0.2260, 0.3350



51.2284, 0.2409, 0.2350



51.2284, 0.4058, 0.3138

Rectangle

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



51.2284, 0.3819, 0.4342



51.2284, 0.2865, 0.4124



51.2284, 0.2409, 0.2350



51.2284, 0.3312, 0.2624

Sweetspot

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



51.2308, 0.3819, 0.4342



96.6643, 0.3340, 0.3620



23.9385, 0.4253, 0.3214



20.5882, 0.3374, 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.



51.2308, 0.3819, 0.4342



89.1904, 0.3960, 0.4548



48.8225, 0.3454, 0.4535



12.3132, 0.3267, 0.3506



30.9939, 0.4291, 0.4975



1.4988, 0.4269, 0.4992

Inverse Universe

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



19.0592, 0.2290, 0.1960



24.8805, 0.2075, 0.1608



20.9996, 0.2637, 0.2008



10.3795, 0.2983, 0.3064



2.8463, 0.1511, 0.0639



0.1682, 0.1549, 0.0777

Previews

White Background



This preview shows how the Yxy color 51.2284, 0.3819, 0.4342 looks on a white background.

Color Contrast Check

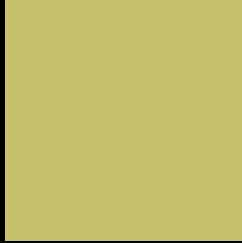
Large Text (above 18pt) WCAG AA × Fail

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 51.2284, 0.3819, 0.4342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

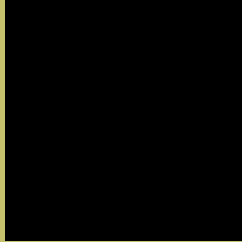
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2284, 0.3819, 0.4342

Background



This preview shows how black text looks on a background with the Yxy color 51.2284, 0.3819, 0.4342.



This preview shows how white text looks on a background with the Yxy color 51.2284, 0.3819, 0.4342.

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

51.2284, 0.3819, 0.4342

Protanopia

51.2983, 0.3933, 0.4285

Deuteranopia

51.0184, 0.4156, 0.4075



Tritanopia

51.1636, 0.3219, 0.3123

Trichromacy



Original Color

51.2284, 0.3819, 0.4342

Protanomaly

51.1605, 0.3891, 0.4310

Deuteranomaly

50.7291, 0.4031, 0.4166

Tritanomaly

51.0946, 0.3449, 0.3563

Monochromacy



Original Color

51.2284, 0.3819, 0.4342

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.3479, 0.3389, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2284, 0.3819, 0.4342 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(198, 193, 108)` looks like.

```
.text, #text, p{  
    color:rgb(198, 193, 108)  
}
```

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(198, 193, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 193, 108) }
```

Border

The CSS property to change the border of an element to Yxy 51.2284, 0.3819, 0.4342 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(198, 193, 108) }
```

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

```
.border{ border-color:rgb(198, 193, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 193, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 193, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 193, 108);  
box-shadow:4px 4px 4px 4px rgb(198, 193,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2284, 0.3819, 0.4342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 193, 108) }
```

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

```
.background{ background-color: rgb(198,  
193, 108) }
```

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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