

Converting Colors

$Y_{xy}(52.1288, 0.4096, 0.4963)$

Have a look what the booklet for
Yxy(52.1288, 0.4096, 0.4963)
contains.

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Color

Yxy(52.1504, 0.4099, 0.4960)

Conversions

Conversions Part 1

Format	Color
Hex	C3C629
RGB	195, 198, 41
RGB Percent	76%, 78%, 16%
CMY	0.2353, 0.2235, 0.8391
CMYK	0.02, 0.00, 0.79, 0.22
HSL	61°, 66%, 47%
HSV	61°, 79%, 78%
XYZ	43.0977, 52.1504, 9.8939
YIQ	179.2050, 48.6090, -49.4630

Conversions

Conversions Part 2

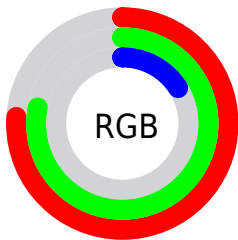
Format	Color
RYB	41, 198, 44
Decimal	12830249
CIELab	77.37, -18.33, 71.07
CIELCh	77, 73.395, 104.464
Yxy	52.1504, 0.4099, 0.4960
Android (android.graphics.Color)	4291020329 (0xFFC3C629)
YUV	179.2050, -68.1351, 13.8522
Hunter-Lab	72.2152, -19.8488, 42.4276

Details

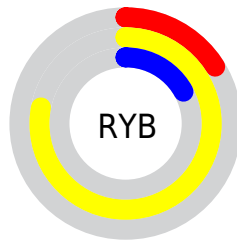
The Yxy color **52.1504, 0.4099, 0.4960** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted yellow. A complement of this color would be **6.2016, 0.1665, 0.0859**, and the grayscale version is **45.5473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0832, 0.3987, 0.4696**, and **25.2649, 0.4110, 0.5118** is the 20% darker color. If you saturate the color by 10%, you get **51.9968, 0.4140, 0.5037**, and if you desaturate by 10%, it is **52.3785, 0.4032, 0.4840**.

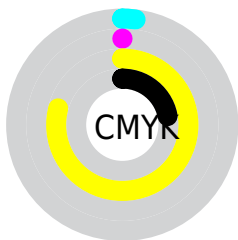
Distribution



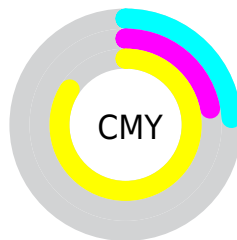
- Red (76%)
- Green (78%)
- Blue (16%)



- Red (16%)
- Yellow (78%)
- Blue (17%)



- Cyan (2%)
- Magenta (0%)
- Yellow (79%)
- Black (22%)





- Cyan (24%)
- Magenta (22%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1504, 0.4099, 0.4960 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 52.1504, 0.4099, 0.4960 by changing the saturation by 10% instead.

 52.1504, 0.4099,
0.4960


 52.1504, 0.4099,
0.4960


395.0170, 0.3702,
0.4179

 37.1250, 0.4159,
0.5120


 93.3530, 0.3982,
0.4699


 25.3043, 0.4213,
0.5302


 120.2990, 0.3930,
0.4593


 16.3039, 0.4247,
0.5503

 151.9873, 0.3882,
0.4501

 9.7394, 0.4256,
0.5744

 188.8022, 0.3839,
0.4420

 5.2265, 0.4109,
0.5891

 231.1283, 0.3799,
0.4349

 2.3808, 0.3870,
0.6130

 279.3498, 0.3764,

 0.8160, 0.2867,

0.4286

0.7133

333.8513, 0.3731,
0.4229

0.0000, 0.0000,
0.0000

52.1504, 0.4099,
0.4960

52.1504, 0.4099,
0.4960

51.9968, 0.4140,
0.5037

52.3785, 0.4032,
0.4840

51.8944, 0.4159,
0.5077

52.6829, 0.3941,
0.4679

51.8876, 0.4160,
0.5079

53.0739, 0.3827,
0.4482

53.5584, 0.3697,
0.4258

54.1424, 0.3555,
0.4016

■ 54.8317, 0.3408,
0.3766

■ 55.6315, 0.3261,
0.3516

■ 56.5466, 0.3117,
0.3273

■ 57.5816, 0.2980,
0.3042

Harmonies

Analogous

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



52.1504, 0.4792, 0.4369



52.1504, 0.4099, 0.4960



52.1504, 0.3210, 0.5089

Triad

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



52.1504, 0.4099, 0.4960



52.1504, 0.1516, 0.2424



52.1504, 0.3783, 0.2449

Complementary

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



52.1504, 0.4099, 0.4960



6.2016, 0.1665, 0.0859

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.



52.1504, 0.2783, 0.2042



52.1504, 0.4099, 0.4960



52.1504, 0.1615, 0.1975

Square

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



52.1504, 0.4099, 0.4960



52.1504, 0.1748, 0.3294



52.1504, 0.2032, 0.1870



52.1504, 0.4683, 0.3025

Rectangle

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



52.1504, 0.4099, 0.4960



52.1504, 0.2616, 0.4719



52.1504, 0.2032, 0.1870



52.1504, 0.3438, 0.2290

Sweetspot

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



52.1528, 0.4099, 0.4960



96.4432, 0.3483, 0.3893



13.9419, 0.5850, 0.3318



20.5511, 0.3536, 0.3984



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.



52.1528, 0.4099, 0.4960



91.9343, 0.4154, 0.5067



44.3276, 0.3429, 0.5444



12.4062, 0.3262, 0.3518



33.7449, 0.4160, 0.5079



1.6012, 0.4167, 0.5073

Inverse Universe

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



6.2016, 0.1665, 0.0859



7.6245, 0.1521, 0.0629



9.8124, 0.2288, 0.1180



10.2971, 0.2986, 0.3051



2.6718, 0.1507, 0.0604



0.1300, 0.1531, 0.0617

Previews

White Background



This preview shows how the Yxy color 52.1504, 0.4099, 0.4960 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 52.1504, 0.4099, 0.4960 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 52.1504, 0.4099, 0.4960

Background



This preview shows how black text looks on a background with the Yxy color 52.1504, 0.4099, 0.4960.



This preview shows how white text looks on a background with the Yxy color 52.1504, 0.4099, 0.4960.

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

52.1504, 0.4099, 0.4960

Protanopia

51.8552, 0.4341, 0.4787

Deuteranopia

51.8033, 0.4609, 0.4502



Tritanopia

51.8144, 0.3211, 0.3112

Trichromacy



Original Color

52.1504, 0.4099, 0.4960

Protanomaly

52.1467, 0.4250, 0.4851

Deuteranomaly

51.5932, 0.4429, 0.4661

Tritanomaly

51.0447, 0.3623, 0.3876

Monochromacy



Original Color

52.1504, 0.4099, 0.4960

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

47.0171, 0.3574, 0.4046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1504, 0.4099, 0.4960 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(195, 198, 41)` looks like.

```
.text, #text, p{  
    color:rgb(195, 198, 41)  
}
```

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(195, 198, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 198, 41) }
```

Border

The CSS property to change the border of an element to Yxy 52.1504, 0.4099, 0.4960 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(195, 198, 41) }
```

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

```
.border{ border-color:rgb(195, 198, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 198, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 198, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 198, 41);  
box-shadow:4px 4px 4px 4px rgb(195, 198,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1504, 0.4099, 0.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 198, 41) }
```

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

```
.background{ background-color: rgb(195,  
198, 41) }
```

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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