

Converting Colors

$Y_{xy}(52.8258, 0.4043, 0.4735)$

Have a look what the booklet for
Yxy(52.8258, 0.4043, 0.4735)
contains.

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Color

Yxy(52.7922, 0.4048, 0.4732)

Conversions

Conversions Part 1

Format	Color
Hex	C9C546
RGB	201, 197, 70
RGB Percent	79%, 77%, 27%
CMY	0.2117, 0.2274, 0.7253
CMYK	0.00, 0.02, 0.65, 0.21
HSL	58°, 55%, 53%
HSV	58°, 65%, 79%
XYZ	45.1612, 52.7922, 13.6108
YIQ	183.7180, 43.1510, -38.6490

Conversions

Conversions Part 2

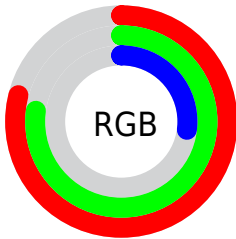
Format	Color
RYB	74, 201, 70
Decimal	13223238
CIELab	77.75, -13.94, 61.64
CIELCh	78, 63.197, 102.744
Yxy	52.7922, 0.4048, 0.4732
Android (android.graphics.Color)	4291413318 (0xFFC9C546)
YUV	183.7180, -56.0630, 15.1563
Hunter-Lab	72.6582, -16.2041, 39.7542

Details

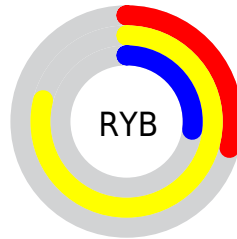
The Yxy color **52.7922, 0.4048, 0.4732** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **10.4249, 0.1884, 0.1265**, and the grayscale version is **48.0704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9658, 0.3888, 0.4518**, and **25.8758, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **52.3033, 0.4137, 0.4863**, and if you desaturate by 10%, it is **53.3721, 0.3936, 0.4562**.

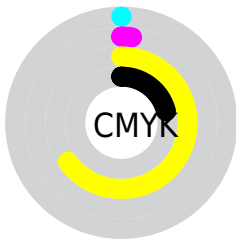
Distribution



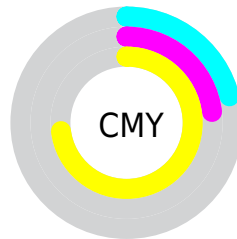
- Red (79%)
- Green (77%)
- Blue (27%)



- Red (29%)
- Yellow (79%)
- Blue (27%)



- Cyan (0%)
- Magenta (2%)
- Yellow (65%)
- Black (21%)



- Cyan (21%)
- Magenta (23%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.7922, 0.4048, 0.4732 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 52.7922, 0.4048, 0.4732 by changing the saturation by 10% instead.


 52.7922, 0.4048,
0.4732


 52.7922, 0.4048,
0.4732


397.4874, 0.3648,
0.4048

 37.6369, 0.4121,
0.4879


 94.2985, 0.3922,
0.4499


 25.7010, 0.4197,
0.5051


 121.4183, 0.3868,
0.4406

 16.6001, 0.4267,
0.5249


 153.2951, 0.3821,
0.4326

 9.9498, 0.4351,
0.5515

 190.3133, 0.3778,
0.4256

 5.3657, 0.4302,
0.5698

 232.8572, 0.3741,
0.4195

 2.4634, 0.4127,
0.5873

281.3112, 0.3707,

 0.8582, 0.3565,

0.4140

0.6435

336.0598, 0.3676,
0.4092

0.0000, 0.0000,
0.0000

52.7922, 0.4048,
0.4732

52.7922, 0.4048,
0.4732

52.3033, 0.4137,
0.4863

53.3721, 0.3936,
0.4562

51.8892, 0.4199,
0.4951

54.0433, 0.3804,
0.4359

51.5415, 0.4235,
0.4996

54.8149, 0.3660,
0.4134

51.3867, 0.4248,
0.5009

55.6933, 0.3508,
0.3895

56.6840, 0.3354,
0.3651

■ 57.7923, 0.3203,
0.3411

■ 59.0231, 0.3058,
0.3179

■ 60.3811, 0.2922,
0.2960

■ 61.8706, 0.2795,
0.2756

Harmonies

Analogous

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



52.7922, 0.4620, 0.4243



52.7922, 0.4048, 0.4732



52.7922, 0.3274, 0.4823

Triad

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



52.7922, 0.4048, 0.4732



52.7922, 0.1705, 0.2587



52.7922, 0.3648, 0.2528

Complementary

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



52.7922, 0.4048, 0.4732



10.4249, 0.1884, 0.1265

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.



52.7922, 0.2792, 0.2170



52.7922, 0.4048, 0.4732



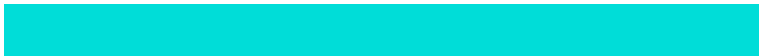
52.7922, 0.1775, 0.2153

Square

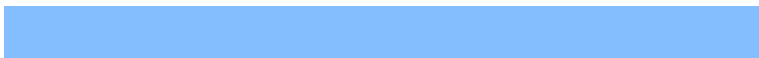
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.7922, 0.4048, 0.4732



52.7922, 0.1945, 0.3362



52.7922, 0.2138, 0.2032



52.7922, 0.4429, 0.3043

Rectangle

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



52.7922, 0.4048, 0.4732



52.7922, 0.2746, 0.4527



52.7922, 0.2138, 0.2032



52.7922, 0.3353, 0.2387

Sweetspot

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



52.7947, 0.4048, 0.4732



96.1493, 0.3433, 0.3776



17.3041, 0.5168, 0.3248



20.4783, 0.3476, 0.3845



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.



52.7947, 0.4048, 0.4732



89.2496, 0.4164, 0.4903



47.7841, 0.3493, 0.5090



12.3592, 0.3266, 0.3511



32.3341, 0.4247, 0.5010



1.5489, 0.4235, 0.5020

Inverse Universe

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



10.4249, 0.1884, 0.1265



11.5283, 0.1665, 0.0896



13.4413, 0.2398, 0.1457



10.3385, 0.2983, 0.3059



2.7598, 0.1506, 0.0622



0.1492, 0.1528, 0.0700

Previews

White Background



This preview shows how the Yxy color 52.7922, 0.4048, 0.4732 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 52.7922, 0.4048, 0.4732 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 52.7922, 0.4048, 0.4732

Background



This preview shows how black text looks on a background with the Yxy color 52.7922, 0.4048, 0.4732.



This preview shows how white text looks on a background with the Yxy color 52.7922, 0.4048, 0.4732.

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

52.7922, 0.4048, 0.4732

Protanopia

52.5760, 0.4214, 0.4621

Deuteranopia

52.7257, 0.4464, 0.4375



Tritanopia

52.5506, 0.3253, 0.3115

Trichromacy



Original Color

52.7922, 0.4048, 0.4732

Protanomaly

52.7149, 0.4155, 0.4665

Deuteranomaly

52.4550, 0.4313, 0.4504

Tritanomaly

52.2175, 0.3595, 0.3743

Monochromacy



Original Color

52.7922, 0.4048, 0.4732

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.3255, 0.3499, 0.3887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.7922, 0.4048, 0.4732 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(201, 197, 70)` looks like.

```
.text, #text, p{  
    color:rgb(201, 197, 70)  
}
```

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(201, 197, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 197, 70) }
```

Border

The CSS property to change the border of an element to Yxy 52.7922, 0.4048, 0.4732 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(201, 197, 70) }
```

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

```
.border{ border-color:rgb(201, 197, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 197, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 197, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 197, 70);  
box-shadow:4px 4px 4px 4px rgb(201, 197,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 52.7922, 0.4048, 0.4732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 197, 70) }
```

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

```
.background{ background-color: rgb(201,  
197, 70) }
```

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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