

Converting Colors

$Y_{xy}(44.3525, 0.4103, 0.4534)$

Have a look what the booklet for
Yxy(44.3525, 0.4103, 0.4534)
contains.

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Color

Yxy(44.4978, 0.4101, 0.4541)

Conversions

Conversions Part 1

Format	Color
Hex	C4B34C
RGB	196, 179, 76
RGB Percent	77%, 70%, 30%
CMY	0.2314, 0.2980, 0.7020
CMYK	0.00, 0.09, 0.61, 0.23
HSL	52°, 50%, 53%
HSV	52°, 61%, 77%
XYZ	40.1862, 44.4978, 13.3072
YIQ	172.3410, 43.1950, -28.4290

Conversions

Conversions Part 2

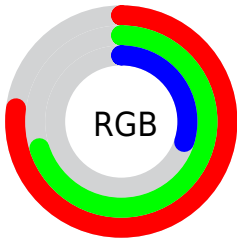
Format	Color
RYB	96, 196, 76
Decimal	12890956
CIELab	72.56, -6.45, 53.44
CIELCh	73, 53.825, 96.882
Yxy	44.4978, 0.4101, 0.4541
Android (android.graphics.Color)	4291081036 (0xFFC4B34C)
YUV	172.3410, -47.4961, 20.7489
Hunter-Lab	66.7067, -9.2027, 34.8670

Details

The Yxy color **44.4978, 0.4101, 0.4541** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **13.3443, 0.2004, 0.1587**, and the grayscale version is **41.6659, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2616, 0.3945, 0.4332**, and **20.7182, 0.4293, 0.4844** is the 20% darker color. If you saturate the color by 10%, you get **43.1674, 0.4232, 0.4677**, and if you desaturate by 10%, it is **45.9378, 0.3951, 0.4370**.

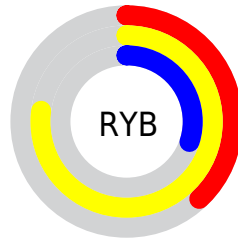
Distribution



Red (77%)

Green (70%)

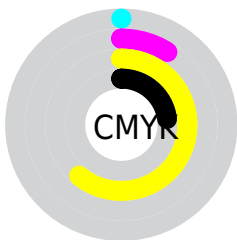
Blue (30%)



Red (38%)

Yellow (77%)

Blue (30%)

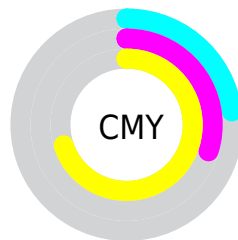


Cyan (0%)

Magenta (9%)

Yellow (61%)

Black (23%)



Cyan (23%)


Magenta (30%)

Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4978, 0.4101, 0.4541 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 44.4978, 0.4101, 0.4541 by changing the saturation by 10% instead.


 44.4978, 0.4101,
0.4541


 44.4978, 0.4101,
0.4541


364.7358, 0.3647,
0.3935


 31.0620, 0.4195,
0.4675


 81.9663, 0.3949,
0.4331

 20.6461, 0.4300,
0.4834


 106.7678, 0.3887,
0.4249

 12.8656, 0.4413,
0.5017


 136.1267, 0.3834,
0.4178

 7.3360, 0.4576,
0.5288

 170.4274, 0.3787,
0.4116

 3.6731, 0.4577,
0.5423

 210.0543, 0.3746,
0.4062

 1.4924, 0.4471,
0.5529

255.3917, 0.3709,

 0.2834, 0.2831,

0.4015

0.7169

306.8241, 0.3676,
0.3973

0.0000, 0.0000,
0.0000

44.4978, 0.4101,
0.4541

44.4978, 0.4101,
0.4541

43.1674, 0.4232,
0.4677

45.9378, 0.3951,
0.4370

41.9323, 0.4338,
0.4772

47.4879, 0.3790,
0.4174

40.7852, 0.4417,
0.4821

49.1567, 0.3623,
0.3962

39.8354, 0.4468,
0.4835

50.9497, 0.3458,
0.3743

52.8723, 0.3297,
0.3526

■ 54.9294, 0.3145,
0.3315

■ 57.1256, 0.3003,
0.3115

■ 59.4654, 0.2873,
0.2927

■ 61.9528, 0.2754,
0.2753

Harmonies

Analogous

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



44.4978, 0.4554, 0.4076



44.4978, 0.4101, 0.4541



44.4978, 0.3419, 0.4690

Triad

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



44.4978, 0.4101, 0.4541



44.4978, 0.1844, 0.2778



44.4978, 0.3446, 0.2515

Complementary

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



44.4978, 0.4101, 0.4541



13.3443, 0.2004, 0.1587

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.



44.4978, 0.2691, 0.2219



44.4978, 0.4101, 0.4541



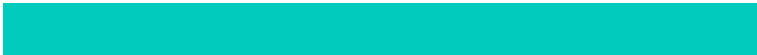
44.4978, 0.1851, 0.2310

Square

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



44.4978, 0.4101, 0.4541



44.4978, 0.2131, 0.3525



44.4978, 0.2136, 0.2138



44.4978, 0.4185, 0.2972

Rectangle

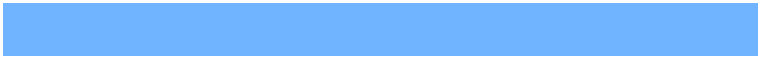
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.4978, 0.4101, 0.4541



44.4978, 0.2930, 0.4494



44.4978, 0.2136, 0.2138



44.4978, 0.3182, 0.2395

Sweetspot

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



44.4999, 0.4101, 0.4541



93.3157, 0.3410, 0.3679



17.7099, 0.4748, 0.3073



19.7584, 0.3458, 0.3744



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.



44.4999, 0.4101, 0.4541



77.5437, 0.4266, 0.4710



46.8627, 0.3606, 0.4917



11.5076, 0.3268, 0.3486



25.6966, 0.4463, 0.4838



1.1784, 0.4394, 0.4893

Inverse Universe

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



13.3443, 0.2004, 0.1587



16.6967, 0.1785, 0.1211



13.0041, 0.2309, 0.1500



9.9727, 0.2983, 0.3086



3.1627, 0.1535, 0.0724



0.2124, 0.1627, 0.1055

Previews

White Background



This preview shows how the Yxy color 44.4978, 0.4101, 0.4541 looks on a white background.

Color Contrast Check

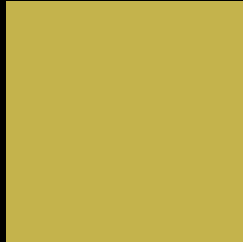
Large Text (above 18pt) WCAG AA × Fail

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 44.4978, 0.4101, 0.4541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

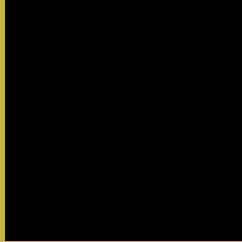
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.4978, 0.4101, 0.4541

Background



This preview shows how black text looks on a background with the Yxy color 44.4978, 0.4101, 0.4541.



This preview shows how white text looks on a background with the Yxy color 44.4978, 0.4101, 0.4541.

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

44.4978, 0.4101, 0.4541

Protanopia

44.3684, 0.4128, 0.4521

Deuteranopia

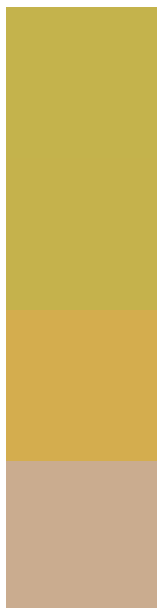
44.3126, 0.4397, 0.4290



Tritanopia

44.3206, 0.3356, 0.3130

Trichromacy



Original Color

44.4978, 0.4101, 0.4541

Protanomaly

44.2329, 0.4118, 0.4526

Deuteranomaly

44.4342, 0.4287, 0.4382

Tritanomaly

44.0448, 0.3664, 0.3662

Monochromacy



Original Color

44.4978, 0.4101, 0.4541

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.2898, 0.3506, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4978, 0.4101, 0.4541 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(196, 179, 76)` looks like.

```
.text, #text, p{  
    color:rgb(196, 179, 76)  
}
```

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(196, 179, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 179, 76) }
```

Border

The CSS property to change the border of an element to Yxy 44.4978, 0.4101, 0.4541 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(196, 179, 76) }
```

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

```
.border{ border-color:rgb(196, 179, 76) }
```

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

Here you see how a box with a 4 pixel rgb(196, 179, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 179, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 179, 76);  
box-shadow:4px 4px 4px 4px rgb(196, 179,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4978, 0.4101, 0.4541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 179, 76) }
```

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

```
.background{ background-color: rgb(196,  
179, 76) }
```

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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