

Converting Colors

$Y_{xy}(35.8393, 0.4188, 0.4132)$

Have a look what the booklet for
Yxy(35.8393, 0.4188, 0.4132)
contains.

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Color

Yxy(35.9166, 0.4179, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	C49B5A
RGB	196, 155, 90
RGB Percent	77%, 61%, 35%
CMY	0.2313, 0.3922, 0.6470
CMYK	0.00, 0.21, 0.54, 0.23
HSL	37°, 47%, 56%
HSV	37°, 54%, 77%
XYZ	36.3339, 35.9166, 14.6935
YIQ	159.8490, 45.3010, -11.5230

Conversions

Conversions Part 2

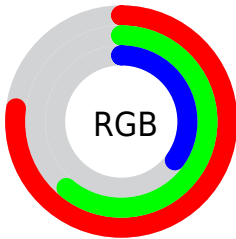
Format	Color
RYB	157, 196, 90
Decimal	12884826
CIELab	66.46, 7.46, 39.58
CIElCh	66, 40.278, 79.320
Yxy	35.9166, 0.4179, 0.4131
Android (android.graphics.Color)	4291074906 (0xFFC49B5A)
YUV	159.8490, -34.4356, 31.7044
Hunter-Lab	59.9305, 3.3406, 27.4148

Details

The Yxy color **35.9166, 0.4179, 0.4131** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **22.3993, 0.2228, 0.2238**, and the grayscale version is **35.2283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7840, 0.3992, 0.3988**, and **15.6362, 0.4482, 0.4335** is the 20% darker color. If you saturate the color by 10%, you get **33.1819, 0.4407, 0.4253**, and if you desaturate by 10%, it is **38.9013, 0.3953, 0.3986**.

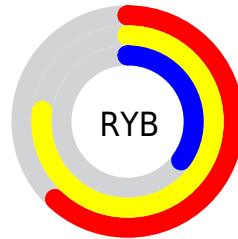
Distribution



Red (77%)

Green (61%)

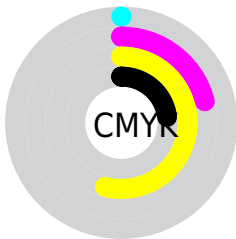
Blue (35%)



Red (62%)

Yellow (77%)

Blue (35%)

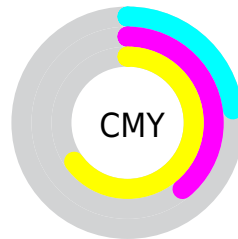


Cyan (0%)

Magenta (21%)

Yellow (54%)

Black (23%)



Cyan (23%)


Magenta (39%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9166, 0.4179, 0.4131 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 35.9166, 0.4179, 0.4131 by changing the saturation by 10% instead.


 35.9166, 0.4179,
0.4131


 35.9166, 0.4179,
0.4131


328.5959, 0.3643,
0.3719

 24.3698, 0.4310,
0.4224


 68.9033, 0.3985,
0.3987

 15.6082, 0.4472,
0.4334


 91.1120, 0.3911,
0.3931

 9.2473, 0.4675,
0.4462


 117.6435, 0.3849,
0.3883

 4.9028, 0.4966,
0.4635

 148.8821, 0.3796,
0.3841

 2.1904, 0.5263,
0.4737

185.2122, 0.3750,
0.3805

 0.7147, 0.5466,
0.4534

227.0183, 0.3710,

 0.0000, 0.0000,

0.3773

0.0000

274.6847, 0.3674,
0.3744

■ 35.9166, 0.4179,
0.4131

■ 35.9166, 0.4179,
0.4131

■ 33.1819, 0.4407,
0.4253

■ 38.9013, 0.3953,
0.3986

■ 30.6820, 0.4627,
0.4339

■ 42.1400, 0.3738,
0.3827

■ 28.4075, 0.4827,
0.4380

■ 45.6428, 0.3537,
0.3665

■ 26.3456, 0.4995,
0.4369

■ 49.4177, 0.3354,
0.3505

■ 25.2119, 0.5085,
0.4345

■ 53.4722, 0.3189,
0.3350

■ 57.8135, 0.3042,
0.3205

■ 62.4483, 0.2912,
0.3069

■ 67.3832, 0.2796,
0.2944

■ 71.8668, 0.2756,
0.2944

Harmonies

Analogous

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



35.9166, 0.4353, 0.3698



35.9166, 0.4179, 0.4131



35.9166, 0.3724, 0.4394

Triad

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



35.9166, 0.4179, 0.4131



35.9166, 0.2183, 0.3224



35.9166, 0.3022, 0.2483

Complementary

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



35.9166, 0.4179, 0.4131



22.3993, 0.2228, 0.2238

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.



35.9166, 0.2481, 0.2338



35.9166, 0.4179, 0.4131



35.9166, 0.2037, 0.2697

Square

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



35.9166, 0.4179, 0.4131



35.9166, 0.2572, 0.3856



35.9166, 0.2140, 0.2400



35.9166, 0.3650, 0.2798

Rectangle

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



35.9166, 0.4179, 0.4131



35.9166, 0.3336, 0.4389



35.9166, 0.2140, 0.2400



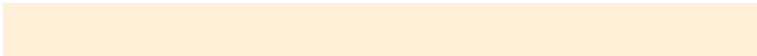
35.9166, 0.2824, 0.2413

Sweetspot

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



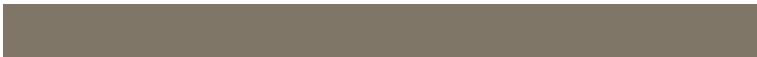
35.9183, 0.4179, 0.4131



87.9841, 0.3392, 0.3539



20.7292, 0.4044, 0.2738



18.5222, 0.3430, 0.3572



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.



35.9183, 0.4179, 0.4131



59.1916, 0.4451, 0.4273



50.5874, 0.3807, 0.4619



11.0827, 0.3274, 0.3431



16.3692, 0.5069, 0.4357



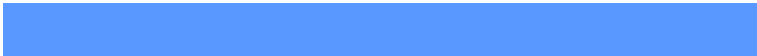
0.8377, 0.4824, 0.4551

Inverse Universe

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



22.3993, 0.2228, 0.2238



32.2624, 0.2040, 0.1956



14.0454, 0.2179, 0.1616



10.3727, 0.2984, 0.3145



6.0229, 0.1679, 0.1243



0.3941, 0.1806, 0.1701

Previews

White Background



This preview shows how the Yxy color 35.9166, 0.4179, 0.4131 looks on a white background.

Color Contrast Check

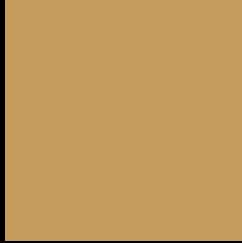
Large Text (above 18pt) WCAG AA × Fail

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 35.9166, 0.4179, 0.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

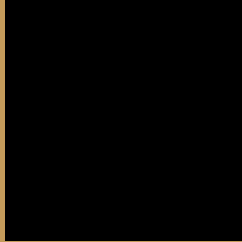
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9166, 0.4179, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 35.9166, 0.4179, 0.4131.



This preview shows how white text looks on a background with the Yxy color 35.9166, 0.4179, 0.4131.

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

35.9166, 0.4179, 0.4131

Protanopia

36.0783, 0.3924, 0.4263

Deuteranopia

35.8552, 0.4207, 0.4112



Tritanopia

35.8926, 0.3594, 0.3149

Trichromacy



Original Color

35.9166, 0.4179, 0.4131

Protanomaly

35.8659, 0.4026, 0.4211

Deuteranomaly

35.7197, 0.4197, 0.4115

Tritanomaly

35.7855, 0.3827, 0.3516

Monochromacy



Original Color

35.9166, 0.4179, 0.4131

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.0872, 0.3494, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9166, 0.4179, 0.4131 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, 155, 90)` looks like.

```
.text, #text, p{  
    color:rgb(196, 155, 90)  
}
```

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, 155, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 155, 90) }
```

Border

The CSS property to change the border of an element to Yxy 35.9166, 0.4179, 0.4131 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, 155, 90) }
```

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

```
.border{ border-color:rgb(196, 155, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 155, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 155, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 155, 90);  
box-shadow:4px 4px 4px 4px rgb(196, 155,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9166, 0.4179, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 155, 90) }
```

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

```
.background{ background-color: rgb(196,  
155, 90) }
```

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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