

Converting Colors

$Y_{xy}(37.1656, 0.4170, 0.4137)$

Have a look what the booklet for
Yxy(37.1656, 0.4170, 0.4137)
contains.

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Color

Yxy(37.2148, 0.4169, 0.4148)

Conversions

Conversions Part 1

Format	Color
Hex	C69E5B
RGB	198, 158, 91
RGB Percent	78%, 62%, 36%
CMY	0.2235, 0.3804, 0.6433
CMYK	0.00, 0.20, 0.54, 0.22
HSL	38°, 48%, 57%
HSV	38°, 54%, 78%
XYZ	37.4032, 37.2148, 15.0994
YIQ	162.3220, 45.3470, -12.3570

Conversions

Conversions Part 2

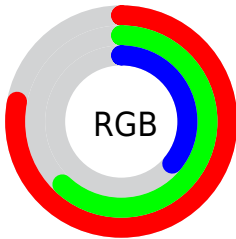
Format	Color
RYB	155, 198, 91
Decimal	13016667
CIELab	67.44, 6.76, 40.34
CIELCh	67, 40.899, 80.489
Yxy	37.2148, 0.4169, 0.4148
Android (android.graphics.Color)	4291206747 (0xFFC69E5B)
YUV	162.3220, -35.1617, 31.2896
Hunter-Lab	61.0039, 2.6864, 28.0275

Details

The Yxy color **37.2148, 0.4169, 0.4148** 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 **22.5203, 0.2223, 0.2214**, and the grayscale version is **36.4418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3301, 0.3964, 0.3997**, and **16.3453, 0.4446, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **34.4703, 0.4392, 0.4272**, and if you desaturate by 10%, it is **40.2050, 0.3947, 0.4000**.

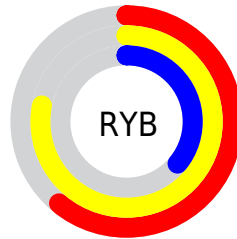
Distribution



Red (78%)

Green (62%)

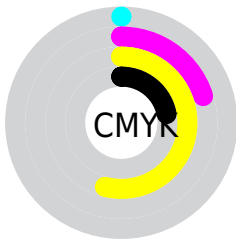
Blue (36%)



Red (61%)

Yellow (78%)

Blue (36%)

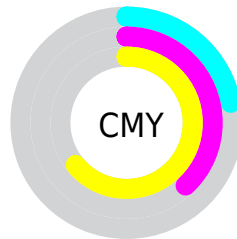


Cyan (0%)

Magenta (20%)

Yellow (54%)

Black (22%)



Cyan (22%)


Magenta (38%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2148, 0.4169, 0.4148 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 37.2148, 0.4169, 0.4148 by changing the saturation by 10% instead.


 37.2148, 0.4169,
0.4148


 37.2148, 0.4169,
0.4148


334.2396, 0.3642,
0.3729


 25.3738, 0.4296,
0.4242


 70.9030, 0.3979,
0.4002

 16.3558, 0.4453,
0.4354


 93.5191, 0.3907,
0.3945

 9.7763, 0.4648,
0.4484


 120.4956, 0.3846,
0.3896

 5.2509, 0.4917,
0.4651

 152.2171, 0.3793,
0.3854

 2.3952, 0.5217,
0.4783

189.0678, 0.3748,
0.3816

 0.8234, 0.5362,
0.4638

231.4322, 0.3708,

 0.0000, 0.0000,

0.3784

0.0000

279.6946, 0.3673,
0.3755

■ 37.2148, 0.4169,
0.4148

■ 37.2148, 0.4169,
0.4148

■ 34.4703, 0.4392,
0.4272

■ 40.2050, 0.3947,
0.4000

■ 31.9561, 0.4606,
0.4362

■ 43.4446, 0.3734,
0.3838

■ 29.6631, 0.4800,
0.4405

■ 46.9438, 0.3535,
0.3673

■ 27.5782, 0.4962,
0.4396

■ 50.7103, 0.3353,
0.3509

■ 26.4263, 0.5048,
0.4374

■ 54.7517, 0.3189,
0.3352

■ 59.0750, 0.3042,
0.3203

■ 63.6870, 0.2911,
0.3064

■ 68.5941, 0.2795,
0.2936

■ 72.8566, 0.2770,
0.2961

Harmonies

Analogous

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



37.2148, 0.4357, 0.3717



37.2148, 0.4169, 0.4148



37.2148, 0.3704, 0.4402

Triad

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



37.2148, 0.4169, 0.4148



37.2148, 0.2169, 0.3200



37.2148, 0.3046, 0.2490

Complementary

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



37.2148, 0.4169, 0.4148



22.5203, 0.2223, 0.2214

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.



37.2148, 0.2497, 0.2337



37.2148, 0.4169, 0.4148



37.2148, 0.2033, 0.2679

Square

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



37.2148, 0.4169, 0.4148



37.2148, 0.2551, 0.3835



37.2148, 0.2146, 0.2390



37.2148, 0.3676, 0.2811

Rectangle

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



37.2148, 0.4169, 0.4148



37.2148, 0.3313, 0.4387



37.2148, 0.2146, 0.2390



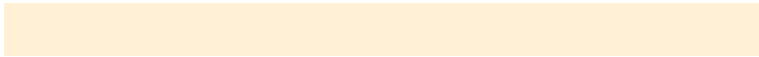
37.2148, 0.2846, 0.2418

Sweetspot

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



37.2166, 0.4169, 0.4148



88.3012, 0.3391, 0.3544



21.1471, 0.4072, 0.2761



18.5980, 0.3429, 0.3578



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.



37.2166, 0.4169, 0.4148



60.1549, 0.4434, 0.4293



51.5231, 0.3791, 0.4627



11.7251, 0.3274, 0.3434



17.3536, 0.5033, 0.4385



0.9574, 0.4814, 0.4559

Inverse Universe

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



22.5203, 0.2223, 0.2214



31.5485, 0.2033, 0.1926



14.4625, 0.2194, 0.1621



10.9260, 0.2983, 0.3141



5.9869, 0.1668, 0.1203



0.4222, 0.1787, 0.1632

Previews

White Background



This preview shows how the Yxy color 37.2148, 0.4169, 0.4148 looks on a white background.

Color Contrast Check

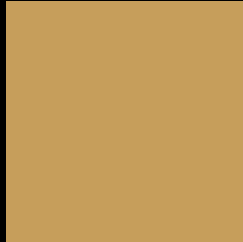
Large Text (above 18pt) WCAG AA × Fail

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 37.2148, 0.4169, 0.4148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

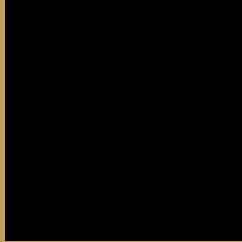
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2148, 0.4169, 0.4148

Background



This preview shows how black text looks on a background with the Yxy color 37.2148, 0.4169, 0.4148.



This preview shows how white text looks on a background with the Yxy color 37.2148, 0.4169, 0.4148.

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

37.2148, 0.4169, 0.4148

Protanopia

37.5243, 0.3928, 0.4274

Deuteranopia

37.2868, 0.4207, 0.4124



Tritanopia

37.2233, 0.3575, 0.3151

Trichromacy



Original Color

37.2148, 0.4169, 0.4148

Protanomaly

37.1782, 0.4018, 0.4227

Deuteranomaly

37.1486, 0.4197, 0.4128

Tritanomaly

37.1166, 0.3804, 0.3513

Monochromacy



Original Color

37.2148, 0.4169, 0.4148

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.3813, 0.3496, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2148, 0.4169, 0.4148 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, 158, 91)` looks like.

```
.text, #text, p{  
    color:rgb(198, 158, 91)  
}
```

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, 158, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 158, 91) }
```

Border

The CSS property to change the border of an element to Yxy 37.2148, 0.4169, 0.4148 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, 158, 91) }
```

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

```
.border{ border-color:rgb(198, 158, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 158, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 158, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 158, 91);  
box-shadow:4px 4px 4px 4px rgb(198, 158,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2148, 0.4169, 0.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 158, 91) }
```

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

```
.background{ background-color: rgb(198,  
158, 91) }
```

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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