

Converting Colors

$Yxy(38.6157, 0.4160, 0.4230)$

Have a look what the booklet for
Yxy(38.6157, 0.4160, 0.4230)
contains.

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Color

Yxy(38.5510, 0.4164, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	C6A258
RGB	198, 162, 88
RGB Percent	78%, 64%, 35%
CMY	0.2234, 0.3647, 0.6549
CMYK	0.00, 0.18, 0.56, 0.22
HSL	40°, 49%, 56%
HSV	40°, 56%, 78%
XYZ	37.9764, 38.5510, 14.6744
YIQ	164.3280, 45.2100, -15.3820

Conversions

Conversions Part 2

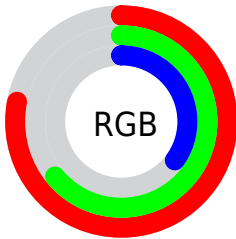
Format	Color
RYB	142, 198, 88
Decimal	13017688
CIELab	68.42, 4.37, 43.02
CIELCh	68, 43.240, 84.204
Yxy	38.5510, 0.4164, 0.4227
Android (android.graphics.Color)	4291207768 (0xFFC6A258)
YUV	164.3280, -37.6297, 29.5303
Hunter-Lab	62.0895, 0.5213, 29.4499

Details

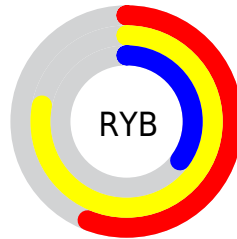
The Yxy color **38.5510, 0.4164, 0.4227** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **20.5810, 0.2181, 0.2094**, and the grayscale version is **37.4580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7792, 0.3961, 0.4073**, and **17.1781, 0.4419, 0.4456** is the 20% darker color. If you saturate the color by 10%, you get **36.0415, 0.4369, 0.4356**, and if you desaturate by 10%, it is **41.2712, 0.3955, 0.4072**.

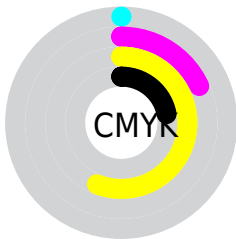
Distribution



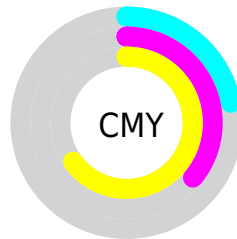
- Red (78%)
- Green (64%)
- Blue (35%)



- Red (56%)
- Yellow (78%)
- Blue (35%)



- Cyan (0%)
- Magenta (18%)
- Yellow (56%)
- Black (22%)





- Cyan (22%)
- Magenta (36%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5510, 0.4164, 0.4227 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 38.5510, 0.4164, 0.4227 by changing the saturation by 10% instead.


 38.5510, 0.4164,
0.4227


 38.5510, 0.4164,
0.4227


339.9777, 0.3646,
0.3770


 26.4106, 0.4286,
0.4330


 72.9519, 0.3980,
0.4068


 17.1311, 0.4434,
0.4451


 95.9812, 0.3909,
0.4006

 10.3280, 0.4613,
0.4592


 123.4089, 0.3849,
0.3952

 5.6170, 0.4862,
0.4781

 155.6195, 0.3797,
0.3906

 2.6136, 0.5091,
0.4909

 192.9972, 0.3752,
0.3865

 0.9335, 0.5178,
0.4822

235.9266, 0.3712,

 0.0000, 0.0000,

0.3830

0.0000

284.7920, 0.3677,
0.3798

■ 38.5510, 0.4164,
0.4227

■ 38.5510, 0.4164,
0.4227

■ 36.0415, 0.4369,
0.4356

■ 41.2712, 0.3955,
0.4072

■ 33.7280, 0.4560,
0.4447

■ 44.2049, 0.3751,
0.3902

■ 31.6020, 0.4729,
0.4492

■ 47.3615, 0.3557,
0.3726

■ 29.6510, 0.4866,
0.4487

■ 50.7481, 0.3377,
0.3551

■ 28.8301, 0.4921,
0.4475

■ 54.3716, 0.3212,
0.3381

■ 58.2381, 0.3063,
0.3220

■ 62.3538, 0.2929,
0.3069

■ 66.7244, 0.2810,
0.2929

■ 70.6103, 0.2766,
0.2914

Harmonies

Analogous

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



38.5510, 0.4406, 0.3789



38.5510, 0.4164, 0.4227



38.5510, 0.3653, 0.4464

Triad

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



38.5510, 0.4164, 0.4227



38.5510, 0.2098, 0.3114



38.5510, 0.3121, 0.2492

Complementary

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



38.5510, 0.4164, 0.4227



20.5810, 0.2181, 0.2094

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.



38.5510, 0.2531, 0.2309



38.5510, 0.4164, 0.4227



38.5510, 0.1991, 0.2600

Square

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



38.5510, 0.4164, 0.4227



38.5510, 0.2463, 0.3780



38.5510, 0.2140, 0.2334



38.5510, 0.3777, 0.2842

Rectangle

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



38.5510, 0.4164, 0.4227



38.5510, 0.3239, 0.4417



38.5510, 0.2140, 0.2334



38.5510, 0.2908, 0.2410

Sweetspot

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



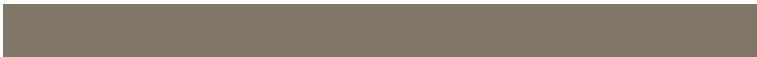
38.5528, 0.4164, 0.4227



88.7887, 0.3406, 0.3580



20.4638, 0.4198, 0.2820



18.7387, 0.3442, 0.3616



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.



38.5528, 0.4164, 0.4227



62.7676, 0.4418, 0.4382



50.7723, 0.3757, 0.4685



11.8088, 0.3273, 0.3445



18.9047, 0.4909, 0.4484



1.0232, 0.4724, 0.4631

Inverse Universe

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



20.5810, 0.2181, 0.2094



27.9002, 0.1977, 0.1773



14.1457, 0.2212, 0.1590



10.8455, 0.2983, 0.3130



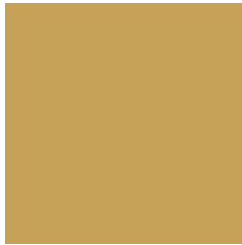
5.2394, 0.1634, 0.1080



0.3811, 0.1754, 0.1513

Previews

White Background



This preview shows how the Yxy color 38.5510, 0.4164, 0.4227 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 38.5510, 0.4164, 0.4227 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 38.5510, 0.4164, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 38.5510, 0.4164, 0.4227.



This preview shows how white text looks on a background with the Yxy color 38.5510, 0.4164, 0.4227.

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

38.5510, 0.4164, 0.4227

Protanopia

38.5660, 0.3970, 0.4321

Deuteranopia

38.4967, 0.4249, 0.4154



Tritanopia

38.4782, 0.3537, 0.3139

Trichromacy



Original Color

38.5510, 0.4164, 0.4227

Protanomaly

38.4504, 0.4043, 0.4289

Deuteranomaly

38.4194, 0.4211, 0.4177

Tritanomaly

38.1396, 0.3782, 0.3539

Monochromacy



Original Color

38.5510, 0.4164, 0.4227

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.2021, 0.3501, 0.3674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5510, 0.4164, 0.4227 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, 162, 88)` looks like.

```
.text, #text, p{  
    color:rgb(198, 162, 88)  
}
```

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, 162, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 162, 88) }
```

Border

The CSS property to change the border of an element to Yxy 38.5510, 0.4164, 0.4227 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, 162, 88) }
```

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

```
.border{ border-color:rgb(198, 162, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 162, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 162, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 162, 88);  
box-shadow:4px 4px 4px 4px rgb(198, 162,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5510, 0.4164, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 162, 88) }
```

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

```
.background{ background-color: rgb(198,  
162, 88) }
```

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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