

Converting Colors

$Yxy(38.0302, 0.4247, 0.4260)$

Have a look what the booklet for
Yxy(38.0302, 0.4247, 0.4260)
contains.

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Color

Yxy(38.0302, 0.4247, 0.4260)

Conversions

Conversions Part 1

Format	Color
Hex	C8A052
RGB	200, 160, 82
RGB Percent	78%, 63%, 32%
CMY	0.2157, 0.3725, 0.6784
CMYK	0.00, 0.20, 0.59, 0.22
HSL	40°, 52%, 55%
HSV	40°, 59%, 78%
XYZ	37.9141, 38.0302, 13.3284
YIQ	163.0680, 48.8780, -15.7780

Conversions

Conversions Part 2

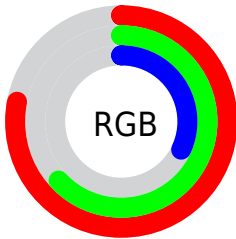
Format	Color
RYB	143, 200, 82
Decimal	13148242
CIELab	68.04, 5.81, 45.60
CIElCh	68, 45.966, 82.737
Yxy	38.0302, 0.4247, 0.4260
Android (android.graphics.Color)	4291338322 (0xFFC8A052)
YUV	163.0680, -39.9665, 32.3894
Hunter-Lab	61.6686, 1.8225, 30.3537

Details

The Yxy color **38.0302, 0.4247, 0.4260** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **19.8883, 0.2126, 0.2027**, and the grayscale version is **36.8366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5821, 0.4011, 0.4111**, and **16.8812, 0.4529, 0.4482** is the 20% darker color. If you saturate the color by 10%, you get **35.4833, 0.4453, 0.4375**, and if you desaturate by 10%, it is **40.7977, 0.4035, 0.4115**.

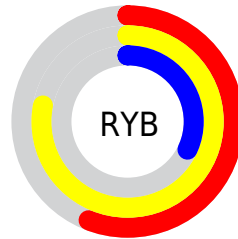
Distribution



Red (78%)

Green (63%)

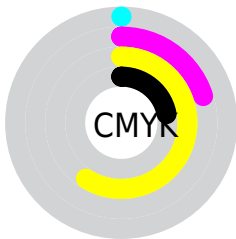
Blue (32%)



Red (56%)

Yellow (78%)

Blue (32%)

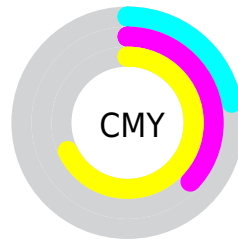


Cyan (0%)

Magenta (20%)

Yellow (59%)

Black (22%)



Cyan (22%)


Magenta (37%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0302, 0.4247, 0.4260 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 38.0302, 0.4247, 0.4260 by changing the saturation by 10% instead.


 38.0302, 0.4247,
0.4260


 38.0302, 0.4247,
0.4260


337.7495, 0.3689,
0.3792


 26.0061, 0.4376,
0.4362


 72.1544, 0.4049,
0.4099


 16.8282, 0.4533,
0.4480


 95.0234, 0.3973,
0.4036


 10.1121, 0.4720,
0.4612


 122.2761, 0.3908,
0.3981

 5.4733, 0.5013,
0.4818

 154.2969, 0.3852,
0.3933

 2.5276, 0.5164,
0.4836

 191.4702, 0.3803,
0.3891

 0.8904, 0.5282,
0.4718

234.1805, 0.3761,

 0.0000, 0.0000,

0.3854

0.0000

282.8122, 0.3723,
0.3822

■ 38.0302, 0.4247,
0.4260

■ 38.0302, 0.4247,
0.4260

■ 35.4833, 0.4453,
0.4375

■ 40.7977, 0.4035,
0.4115

■ 33.1416, 0.4643,
0.4449

■ 43.7894, 0.3825,
0.3952

■ 30.9954, 0.4806,
0.4474

■ 47.0151, 0.3625,
0.3779

■ 29.0269, 0.4940,
0.4452

■ 50.4828, 0.3438,
0.3605

■ 28.8358, 0.4953,
0.4449

■ 54.1994, 0.3267,
0.3436

■ 58.1719, 0.3112,
0.3274

■ 62.4066, 0.2974,
0.3122

■ 66.9098, 0.2850,
0.2981

■ 71.2268, 0.2779,
0.2922

Harmonies

Analogous

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



38.0302, 0.4493, 0.3786



38.0302, 0.4247, 0.4260



38.0302, 0.3711, 0.4540

Triad

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



38.0302, 0.4247, 0.4260



38.0302, 0.2048, 0.3130



38.0302, 0.3084, 0.2431

Complementary

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



38.0302, 0.4247, 0.4260



19.8883, 0.2126, 0.2027

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.



38.0302, 0.2467, 0.2248



38.0302, 0.4247, 0.4260



38.0302, 0.1924, 0.2573

Square

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



38.0302, 0.4247, 0.4260



38.0302, 0.2444, 0.3849



38.0302, 0.2067, 0.2283



38.0302, 0.3787, 0.2792

Rectangle

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



38.0302, 0.4247, 0.4260



38.0302, 0.3273, 0.4511



38.0302, 0.2067, 0.2283



38.0302, 0.2859, 0.2348

Sweetspot

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



38.0320, 0.4247, 0.4260



87.8589, 0.3425, 0.3593



19.7551, 0.4272, 0.2773



18.4147, 0.3478, 0.3644



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.



38.0320, 0.4247, 0.4260



60.1690, 0.4513, 0.4402



51.9009, 0.3802, 0.4750



11.7879, 0.3273, 0.3442



18.5060, 0.4939, 0.4460



1.0065, 0.4746, 0.4613

Inverse Universe

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



19.8883, 0.2126, 0.2027



26.0937, 0.1924, 0.1697



12.9010, 0.2128, 0.1471



10.8654, 0.2983, 0.3133



5.4151, 0.1642, 0.1110



0.3910, 0.1762, 0.1543

Previews

White Background



This preview shows how the Yxy color 38.0302, 0.4247, 0.4260 looks on a white background.

Color Contrast Check

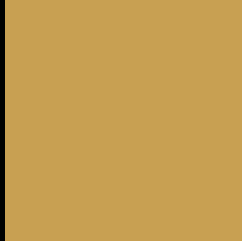
Large Text (above 18pt) WCAG AA × Fail

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 38.0302, 0.4247, 0.4260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

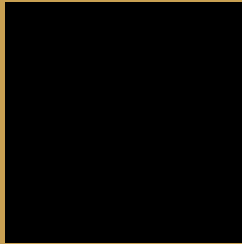
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0302, 0.4247, 0.4260

Background



This preview shows how black text looks on a background with the Yxy color 38.0302, 0.4247, 0.4260.



This preview shows how white text looks on a background with the Yxy color 38.0302, 0.4247, 0.4260.

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

38.0302, 0.4247, 0.4260

Protanopia

37.9798, 0.4013, 0.4384

Deuteranopia

37.9003, 0.4304, 0.4220



Tritanopia

38.0430, 0.3583, 0.3140

Trichromacy



Original Color

38.0302, 0.4247, 0.4260

Protanomaly

37.9943, 0.4097, 0.4345

Deuteranomaly

38.1020, 0.4285, 0.4236

Tritanomaly

37.6698, 0.3841, 0.3550

Monochromacy



Original Color

38.0302, 0.4247, 0.4260

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.7920, 0.3523, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0302, 0.4247, 0.4260 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(200, 160, 82)` looks like.

```
.text, #text, p{  
    color:rgb(200, 160, 82)  
}
```

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(200, 160, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 160, 82) }
```

Border

The CSS property to change the border of an element to Yxy 38.0302, 0.4247, 0.4260 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(200, 160, 82) }
```

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

```
.border{ border-color:rgb(200, 160, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 160, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 160, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 160, 82);  
box-shadow:4px 4px 4px 4px rgb(200, 160,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0302, 0.4247, 0.4260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 160, 82) }
```

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

```
.background{ background-color: rgb(200,  
160, 82) }
```

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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