

Converting Colors

$Yxy(38.2103, 0.4647, 0.4228)$

Have a look what the booklet for
Yxy(38.2103, 0.4647, 0.4228)
contains.

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Color

Yxy(38.2103, 0.4647, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	DD9841
RGB	221, 152, 65
RGB Percent	87%, 60%, 25%
CMY	0.1334, 0.4039, 0.7450
CMYK	0.00, 0.31, 0.71, 0.13
HSL	33°, 70%, 56%
HSV	33°, 71%, 87%
XYZ	41.9970, 38.2103, 10.1671
YIQ	162.7130, 69.0510, -12.4290

Conversions

Conversions Part 2

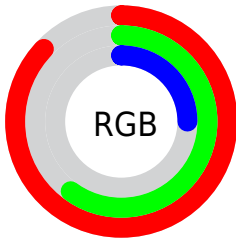
Format	Color
R _{YB}	189, 221, 65
Decimal	14522433
CIE Lab	68.18, 18.00, 54.39
CIE LCh	68, 57.297, 71.686
Yxy	38.2103, 0.4647, 0.4228
Android (android.graphics.Color)	4292712513 (0xFFDD9841)
YUV	162.7130, -48.1725, 51.1177
Hunter-Lab	61.8145, 13.0982, 33.5182

Details

The Yxy color **38.2103, 0.4647, 0.4228** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **23.3924, 0.2000, 0.1969**, and the grayscale version is **36.6928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6870, 0.4173, 0.4184**, and **16.8976, 0.5010, 0.4367** is the 20% darker color. If you saturate the color by 10%, you get **34.9612, 0.4882, 0.4272**, and if you desaturate by 10%, it is **41.8248, 0.4397, 0.4140**.

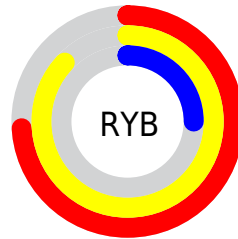
Distribution



Red (87%)

Green (60%)

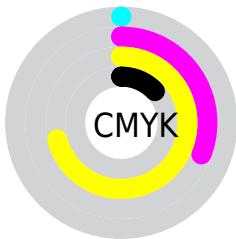
Blue (25%)



Red (74%)

Yellow (87%)

Blue (25%)

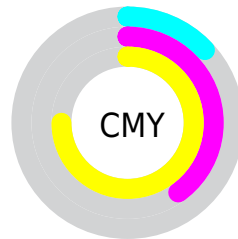


Cyan (0%)

Magenta (31%)

Yellow (71%)

Black (13%)



Cyan (13%)


Magenta (40%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2103, 0.4647, 0.4228 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 38.2103, 0.4647, 0.4228 by changing the saturation by 10% instead.


 38.2103, 0.4647,
0.4228


 38.2103, 0.4647,
0.4228


338.5212, 0.3897,
0.3819

 26.1459, 0.4814,
0.4298


 72.4304, 0.4386,
0.4101


 16.9329, 0.5012,
0.4364


 95.3549, 0.4284,
0.4046


 10.1866, 0.5241,
0.4413


 122.6682, 0.4196,
0.3997

 5.5229, 0.5548,
0.4452

 154.7548, 0.4120,
0.3954

 2.5572, 0.5733,
0.4267

 191.9990, 0.4054,
0.3915

 0.9052, 0.6052,
0.3948

234.7852, 0.3995,

 0.0000, 1.0000,

0.3879

0.0000

283.4978, 0.3944,
0.3848

■ 0.0000, 0.0000,
0.0000

■ 38.2103, 0.4647,
0.4228

■ 38.2103, 0.4647,
0.4228

■ 34.9612, 0.4882,
0.4272

■ 41.8248, 0.4397,
0.4140

■ 32.0529, 0.5089,
0.4263

■ 45.8154, 0.4147,
0.4021

■ 29.5987, 0.5253,
0.4211

■ 50.1989, 0.3906,
0.3881

■ 54.9893, 0.3683,
0.3733

■ 60.1996, 0.3479,
0.3583

■ 65.8419, 0.3297,
0.3437

■ 71.9278, 0.3136,
0.3298

■ 78.4686, 0.2994,
0.3168

■ 84.8874, 0.2918,
0.3136

Harmonies

Analogous

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



38.2103, 0.4803, 0.3617



38.2103, 0.4647, 0.4228



38.2103, 0.4079, 0.4732

Triad

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



38.2103, 0.4647, 0.4228



38.2103, 0.1949, 0.3395



38.2103, 0.2760, 0.2152

Complementary

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



38.2103, 0.4647, 0.4228



23.3924, 0.2000, 0.1969

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.



38.2103, 0.2111, 0.2021



38.2103, 0.4647, 0.4228



38.2103, 0.1697, 0.2602

Square

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



38.2103, 0.4647, 0.4228



38.2103, 0.2521, 0.4318



38.2103, 0.1756, 0.2153



38.2103, 0.3621, 0.2505

Rectangle

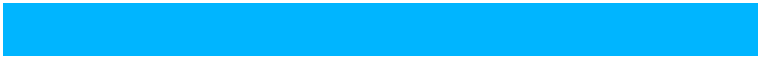
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.2103, 0.4647, 0.4228



38.2103, 0.3572, 0.4874



38.2103, 0.1756, 0.2153



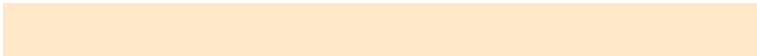
38.2103, 0.2513, 0.2082

Sweetspot

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



38.2122, 0.4647, 0.4228



82.8290, 0.3491, 0.3592



20.9079, 0.4394, 0.2546



17.2888, 0.3546, 0.3633



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.



38.2122, 0.4647, 0.4228



46.2494, 0.4992, 0.4274



66.2564, 0.4008, 0.4890



14.2501, 0.3278, 0.3420



17.4276, 0.5232, 0.4227



1.2998, 0.5017, 0.4398

Inverse Universe

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



23.3924, 0.2000, 0.1969



24.7148, 0.1826, 0.1647



10.4131, 0.1812, 0.1067



13.5602, 0.2982, 0.3156



8.2958, 0.1722, 0.1399



0.7074, 0.1810, 0.1715

Previews

White Background



This preview shows how the Yxy color 38.2103, 0.4647, 0.4228 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 38.2103, 0.4647, 0.4228 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 38.2103, 0.4647, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 38.2103, 0.4647, 0.4228.



This preview shows how white text looks on a background with the Yxy color 38.2103, 0.4647, 0.4228.

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

38.2103, 0.4647, 0.4228

Protanopia

38.3814, 0.4131, 0.4543

Deuteranopia

38.2225, 0.4479, 0.4374



Tritanopia

38.2757, 0.3919, 0.3175

Trichromacy



Original Color

38.2103, 0.4647, 0.4228

Protanomaly

38.2638, 0.4311, 0.4428

Deuteranomaly

38.2932, 0.4540, 0.4319

Tritanomaly

37.9458, 0.4233, 0.3587

Monochromacy



Original Color

38.2103, 0.4647, 0.4228

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.5189, 0.3683, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2103, 0.4647, 0.4228 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(221, 152, 65)` looks like.

```
.text, #text, p{  
    color:rgb(221, 152, 65)  
}
```

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(221, 152, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 152, 65) }
```

Border

The CSS property to change the border of an element to Yxy 38.2103, 0.4647, 0.4228 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(221, 152, 65) }
```

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

```
.border{ border-color:rgb(221, 152, 65) }
```

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

Here you see how a box with a 4 pixel rgb(221, 152, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 152, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 152, 65);  
box-shadow:4px 4px 4px 4px rgb(221, 152,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2103, 0.4647, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 152, 65) }
```

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

```
.background{ background-color: rgb(221,  
152, 65) }
```

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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