

Converting Colors

$Y_{xy}(37.2706, 0.4219, 0.4089)$

Have a look what the booklet for
Yxy(37.2706, 0.4219, 0.4089)
contains.

Yxy(37.2638, 0.4217, 0.4083)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2638, 0.4217, 0.4083)

Conversions

Conversions Part 1

Format	Color
Hex	CB9C5D
RGB	203, 156, 93
RGB Percent	80%, 61%, 36%
CMY	0.2040, 0.3882, 0.6354
CMYK	0.00, 0.23, 0.54, 0.20
HSL	34°, 51%, 58%
HSV	34°, 54%, 80%
XYZ	38.4868, 37.2638, 15.5152
YIQ	162.8710, 48.2350, -9.6290

Conversions

Conversions Part 2

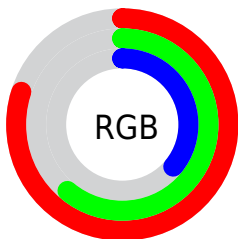
Format	Color
R _{YB}	175, 203, 93
Decimal	13343837
CIE Lab	67.47, 10.10, 39.46
CIE LCh	67, 40.732, 75.636
Yxy	37.2638, 0.4217, 0.4083
Android (android.graphics.Color)	4291533917 (0xFFCB9C5D)
YUV	162.8710, -34.4464, 35.1931
Hunter-Lab	61.0441, 5.7126, 27.6615

Details

The Yxy color **37.2638, 0.4217, 0.4083** 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 **25.3741, 0.2239, 0.2304**, and the grayscale version is **36.7099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3975, 0.3958, 0.3958**, and **16.3960, 0.4522, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **34.1470, 0.4461, 0.4196**, and if you desaturate by 10%, it is **40.6872, 0.3978, 0.3946**.

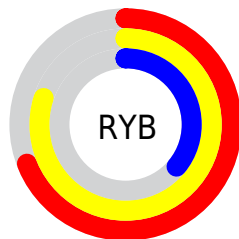
Distribution



Red (80%)

Green (61%)

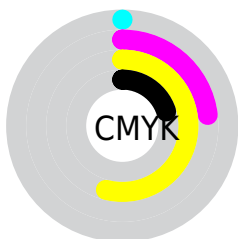
Blue (36%)



Red (69%)

Yellow (80%)

Blue (36%)

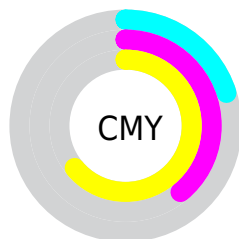


Cyan (0%)

Magenta (23%)

Yellow (54%)

Black (20%)



Cyan (20%)


Magenta (39%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2638, 0.4217, 0.4083 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 37.2638, 0.4217, 0.4083 by changing the saturation by 10% instead.


 37.2638, 0.4217,
0.4083


 37.2638, 0.4217,
0.4083


334.4512, 0.3663,
0.3701


 25.4118, 0.4352,
0.4167


 70.9783, 0.4017,
0.3951

 16.3841, 0.4520,
0.4265


 93.6096, 0.3941,
0.3899

 9.7964, 0.4731,
0.4377


 120.6029, 0.3876,
0.3855

 5.2642, 0.5017,
0.4509

 152.3424, 0.3821,
0.3816

 2.4031, 0.5380,
0.4620

189.2126, 0.3773,
0.3782

 0.8275, 0.5588,
0.4412

231.5978, 0.3732,

 0.0000, 0.0000,

0.3752

0.0000

279.8826, 0.3695,
0.3725

■ 37.2638, 0.4217,
0.4083

■ 37.2638, 0.4217,
0.4083

■ 34.1470, 0.4461,
0.4196

■ 40.6872, 0.3978,
0.3946

■ 31.3192, 0.4699,
0.4274

■ 44.4227, 0.3753,
0.3797

■ 28.7689, 0.4918,
0.4305

■ 48.4825, 0.3546,
0.3644

■ 26.4808, 0.5105,
0.4282

■ 52.8763, 0.3358,
0.3493

■ 25.2585, 0.5202,
0.4252

■ 57.6132, 0.3191,
0.3348

■ 62.7020, 0.3043,
0.3212

■ 68.1511, 0.2913,
0.3085

■ 73.9453, 0.2800,
0.2972

■ 78.7592, 0.2807,
0.3066

Harmonies

Analogous

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



37.2638, 0.4348, 0.3640



37.2638, 0.4217, 0.4083



37.2638, 0.3790, 0.4376

Triad

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



37.2638, 0.4217, 0.4083



37.2638, 0.2219, 0.3301



37.2638, 0.2948, 0.2456

Complementary

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



37.2638, 0.4217, 0.4083



25.3741, 0.2239, 0.2304

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.



37.2638, 0.2428, 0.2334



37.2638, 0.4217, 0.4083



37.2638, 0.2042, 0.2751

Square

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



37.2638, 0.4217, 0.4083



37.2638, 0.2635, 0.3928



37.2638, 0.2115, 0.2424



37.2638, 0.3574, 0.2752

Rectangle

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



37.2638, 0.4217, 0.4083



37.2638, 0.3410, 0.4402



37.2638, 0.2115, 0.2424



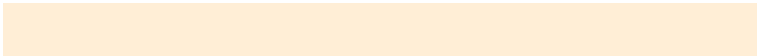
37.2638, 0.2756, 0.2394

Sweetspot

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



37.2656, 0.4217, 0.4083



87.0316, 0.3395, 0.3523



22.4306, 0.3996, 0.2690



18.2949, 0.3433, 0.3555



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.



37.2656, 0.4217, 0.4083



56.3671, 0.4502, 0.4212



55.1767, 0.3841, 0.4608



12.2632, 0.3276, 0.3423



16.2630, 0.5184, 0.4266



0.9876, 0.4940, 0.4460

Inverse Universe

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



25.3741, 0.2239, 0.2304



34.5006, 0.2061, 0.2045



14.8631, 0.2145, 0.1596



11.6183, 0.2983, 0.3154



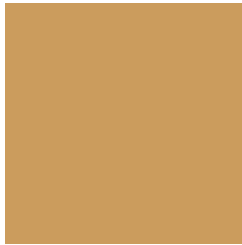
7.2198, 0.1711, 0.1357



0.5220, 0.1818, 0.1744

Previews

White Background



This preview shows how the Yxy color 37.2638, 0.4217, 0.4083 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 37.2638, 0.4217, 0.4083 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 37.2638, 0.4217, 0.4083

Background



This preview shows how black text looks on a background with the Yxy color 37.2638, 0.4217, 0.4083.



This preview shows how white text looks on a background with the Yxy color 37.2638, 0.4217, 0.4083.

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

37.2638, 0.4217, 0.4083

Protanopia

37.4581, 0.3893, 0.4241

Deuteranopia

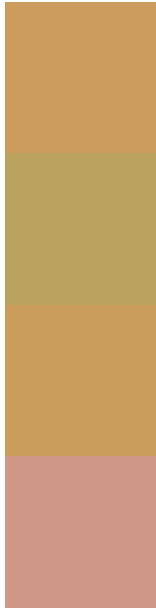
37.3218, 0.4189, 0.4102



Tritanopia

37.2383, 0.3653, 0.3153

Trichromacy



Original Color

37.2638, 0.4217, 0.4083

Protanomaly

37.3583, 0.4003, 0.4186

Deuteranomaly

37.4608, 0.4200, 0.4098

Tritanomaly

37.1479, 0.3875, 0.3497

Monochromacy



Original Color

37.2638, 0.4217, 0.4083

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.4416, 0.3511, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2638, 0.4217, 0.4083 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(203, 156, 93)` looks like.

```
.text, #text, p{  
    color:rgb(203, 156, 93)  
}
```

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(203, 156, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 156, 93) }
```

Border

The CSS property to change the border of an element to Yxy 37.2638, 0.4217, 0.4083 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(203, 156, 93) }
```

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

```
.border{ border-color:rgb(203, 156, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 156, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 156, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 156, 93);  
box-shadow:4px 4px 4px 4px rgb(203, 156,  
93) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 37.2638, 0.4217, 0.4083$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 156, 93) }
```

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

```
.background{ background-color: rgb(203,  
156, 93) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor