

Converting Colors

$Yxy(36.7688, 0.3892, 0.3831)$

Have a look what the booklet for
Yxy(36.7688, 0.3892, 0.3831)
contains.

Yxy(36.7358, 0.3883, 0.3829)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7358, 0.3883, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	C19D75
RGB	193, 157, 117
RGB Percent	76%, 62%, 46%
CMY	0.2433, 0.3842, 0.5412
CMYK	0.00, 0.19, 0.39, 0.24
HSL	32°, 38%, 61%
HSV	32°, 39%, 76%
XYZ	37.2539, 36.7358, 21.9513
YIQ	163.2040, 34.2960, -4.8080

Conversions

Conversions Part 2

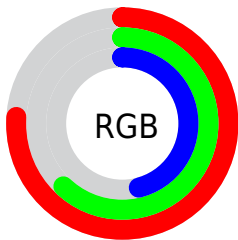
Format	Color
RYB	185, 193, 117
Decimal	12688757
CIELab	67.08, 7.82, 25.97
CIELCh	67, 27.118, 73.241
Yxy	36.7358, 0.3883, 0.3829
Android (android.graphics.Color)	4290878837 (0xFFC19D75)
YUV	163.2040, -22.7786, 26.1311
Hunter-Lab	60.6101, 3.6471, 20.9538

Details

The Yxy color **36.7358, 0.3883, 0.3829** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.3915, 0.2496, 0.2677**, and the grayscale version is **36.8241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4608, 0.3742, 0.3741**, and **16.1287, 0.4117, 0.3981** is the 20% darker color. If you saturate the color by 10%, you get **33.3540, 0.4127, 0.3962**, and if you desaturate by 10%, it is **40.4455, 0.3658, 0.3689**.

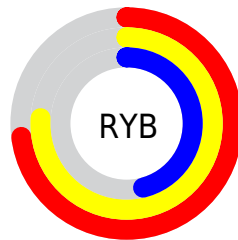
Distribution



Red (76%)

Green (62%)

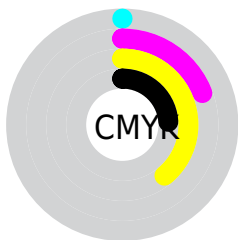
Blue (46%)



Red (73%)

Yellow (76%)

Blue (46%)

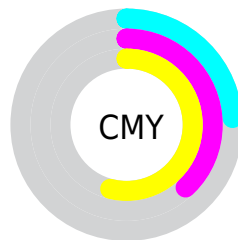


Cyan (0%)

Magenta (19%)

Yellow (39%)

Black (24%)



Cyan (24%)


Magenta (38%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7358, 0.3883, 0.3829 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 36.7358, 0.3883, 0.3829 by changing the saturation by 10% instead.


 36.7358, 0.3883,
0.3829


 36.7358, 0.3883,
0.3829


332.1653, 0.3491,
0.3560


 25.0030, 0.3984,
0.3894


 70.1663, 0.3738,
0.3732

 16.0793, 0.4114,
0.3976


 92.6327, 0.3684,
0.3695

 9.5803, 0.4289,
0.4079


 119.4458, 0.3639,
0.3664

 5.1216, 0.4529,
0.4210

150.9900, 0.3600,
0.3637

 2.3188, 0.5024,
0.4504

187.6496, 0.3567,
0.3614

 0.7836, 0.5452,
0.4548

229.8091, 0.3539,

 0.0000, 0.0000,

0.3594

0.0000

277.8529, 0.3513,
0.3576

■ 36.7358, 0.3883,
0.3829

■ 36.7358, 0.3883,
0.3829

■ 33.3540, 0.4127,
0.3962

■ 40.4455, 0.3658,
0.3689

■ 30.2842, 0.4386,
0.4078

■ 44.4881, 0.3456,
0.3548

■ 27.5164, 0.4648,
0.4165


■ 48.8750, 0.3276,
0.3412


■ 25.0380, 0.4900,
0.4211


■ 53.6152, 0.3118,
0.3282

■ 22.8348, 0.5127,
0.4205


■ 58.7176, 0.2979,
0.3161

 20.8853, 0.5321,
0.4152

 64.1905, 0.2858,
0.3050

 20.7711, 0.5333,
0.4148

 70.0421, 0.2752,
0.2947

 75.1811, 0.2744,
0.3019

 80.3987, 0.2753,
0.3119

Harmonies

Analogous

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



36.7358, 0.3940, 0.3528



36.7358, 0.3883, 0.3829



36.7358, 0.3618, 0.4011

Triad

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



36.7358, 0.3883, 0.3829



36.7358, 0.2525, 0.3342



36.7358, 0.2981, 0.2695

Complementary

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



36.7358, 0.3883, 0.3829



30.3915, 0.2496, 0.2677

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.



36.7358, 0.2627, 0.2625



36.7358, 0.3883, 0.3829



36.7358, 0.2378, 0.2966

Square

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



36.7358, 0.3883, 0.3829



36.7358, 0.2831, 0.3734



36.7358, 0.2414, 0.2714



36.7358, 0.3399, 0.2899

Rectangle

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



36.7358, 0.3883, 0.3829



36.7358, 0.3366, 0.4022



36.7358, 0.2414, 0.2714



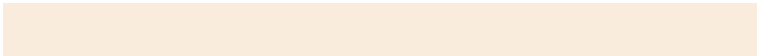
36.7358, 0.2851, 0.2655

Sweetspot

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



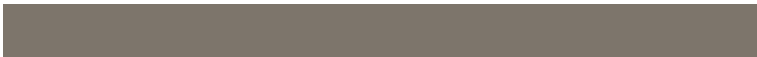
36.7375, 0.3883, 0.3829



85.2929, 0.3324, 0.3449



26.3758, 0.3623, 0.2798



18.0740, 0.3348, 0.3467



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.7375, 0.3883, 0.3829



60.7132, 0.4086, 0.3941



50.5790, 0.3699, 0.4258



10.9365, 0.3276, 0.3411



13.9810, 0.5314, 0.4163



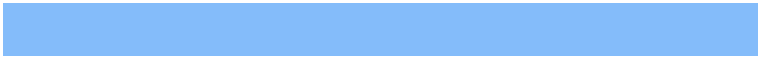
0.7413, 0.4999, 0.4413

Inverse Universe

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



30.3915, 0.2496, 0.2677



47.8124, 0.2360, 0.2518



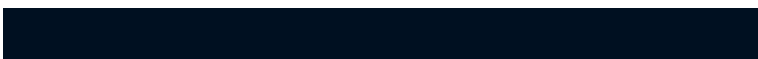
20.4368, 0.2420, 0.2105



10.5164, 0.2984, 0.3166



7.7313, 0.1752, 0.1507



0.4720, 0.1869, 0.1929

Previews

White Background



This preview shows how the Yxy color 36.7358, 0.3883, 0.3829 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 36.7358, 0.3883, 0.3829 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 36.7358, 0.3883, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 36.7358, 0.3883, 0.3829.



This preview shows how white text looks on a background with the Yxy color 36.7358, 0.3883, 0.3829.

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

36.7358, 0.3883, 0.3829

Protanopia

36.7806, 0.3650, 0.3903

Deuteranopia

36.8676, 0.3894, 0.3826



Tritanopia

36.7833, 0.3491, 0.3135

Trichromacy



Original Color

36.7358, 0.3883, 0.3829

Protanomaly

36.7667, 0.3730, 0.3878

Deuteranomaly

36.8676, 0.3894, 0.3826

Tritanomaly

36.5936, 0.3639, 0.3384

Monochromacy



Original Color

36.7358, 0.3883, 0.3829

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.5637, 0.3392, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7358, 0.3883, 0.3829 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(193, 157, 117)` looks like.

```
.text, #text, p{  
    color:rgb(193, 157, 117)  
}
```

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(193, 157, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 157, 117) }
```

Border

The CSS property to change the border of an element to Yxy 36.7358, 0.3883, 0.3829 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(193, 157, 117) }
```

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

```
.border{ border-color:rgb(193, 157, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 157, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 157, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 157, 117);  
box-shadow:4px 4px 4px 4px rgb(193, 157,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7358, 0.3883, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 157, 117) }
```

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

```
.background{ background-color: rgb(193,  
157, 117) }
```

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