

Converting Colors

$Y_{xy}(36.4289, 0.4247, 0.4265)$

Have a look what the booklet for
Yxy(36.4289, 0.4247, 0.4265)
contains.

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Color

Yxy(36.4289, 0.4247, 0.4265)

Conversions

Conversions Part 1

Format	Color
Hex	C49D50
RGB	196, 157, 80
RGB Percent	77%, 62%, 31%
CMY	0.2313, 0.3843, 0.6863
CMYK	0.00, 0.20, 0.59, 0.23
HSL	40°, 50%, 54%
HSV	40°, 59%, 77%
XYZ	36.2752, 36.4289, 12.7095
YIQ	159.8830, 47.9610, -15.6790

Conversions

Conversions Part 2

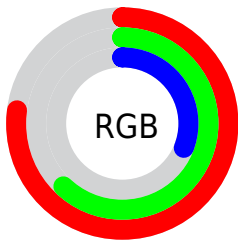
Format	Color
RYB	139, 196, 80
Decimal	12885328
CIELab	66.85, 5.59, 45.10
CIElCh	67, 45.440, 82.938
Yxy	36.4289, 0.4247, 0.4265
Android (android.graphics.Color)	4291075408 (0xFFC49D50)
YUV	159.8830, -39.3823, 31.6746
Hunter-Lab	60.3564, 1.6578, 29.7645

Details

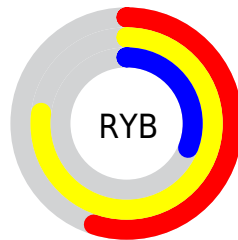
The Yxy color **36.4289, 0.4247, 0.4265** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **18.8949, 0.2123, 0.2018**, and the grayscale version is **35.2674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4872, 0.4052, 0.4102**, and **15.8908, 0.4533, 0.4492** is the 20% darker color. If you saturate the color by 10%, you get **34.0103, 0.4452, 0.4380**, and if you desaturate by 10%, it is **39.0560, 0.4036, 0.4120**.

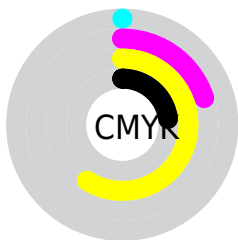
Distribution



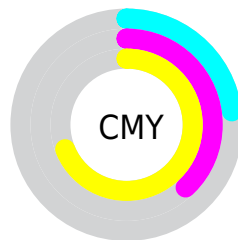
- Red (77%)
- Green (62%)
- Blue (31%)



- Red (55%)
- Yellow (77%)
- Blue (31%)



- Cyan (0%)
- Magenta (20%)
- Yellow (59%)
- Black (23%)





- Cyan (23%)
- Magenta (38%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4289, 0.4247, 0.4265 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 36.4289, 0.4247, 0.4265 by changing the saturation by 10% instead.


 36.4289, 0.4247,
0.4265


 36.4289, 0.4247,
0.4265


330.8313, 0.3685,
0.3791


 24.7656, 0.4378,
0.4369


 69.6936, 0.4047,
0.4101

 15.9025, 0.4537,
0.4490


 92.0637, 0.3971,
0.4037

 9.4552, 0.4727,
0.4624


 118.7716, 0.3905,
0.3981

 5.0393, 0.5056,
0.4864

 150.2017, 0.3849,
0.3933

 2.2703, 0.5163,
0.4837

 186.7383, 0.3800,
0.3891

 0.7579, 0.5306,
0.4694

228.7658, 0.3757,

 0.0000, 0.0000,

0.3854

0.0000

276.6687, 0.3719,
0.3821

■ 36.4289, 0.4247,
0.4265

■ 36.4289, 0.4247,
0.4265

■ 34.0103, 0.4452,
0.4380

■ 39.0560, 0.4036,
0.4120

■ 31.7855, 0.4640,
0.4454

■ 41.8947, 0.3827,
0.3957

■ 29.7454, 0.4801,
0.4479

■ 44.9548, 0.3627,
0.3784

■ 27.8724, 0.4934,
0.4458

■ 48.2435, 0.3441,
0.3610

■ 27.7257, 0.4944,
0.4456

■ 51.7675, 0.3270,
0.3439

■ 55.5333, 0.3115,
0.3277

■ 59.5470, 0.2976,
0.3125

■ 63.8145, 0.2852,
0.2983

■ 68.2490, 0.2750,
0.2867

Harmonies

Analogous

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



36.4289, 0.4496, 0.3790



36.4289, 0.4247, 0.4265



36.4289, 0.3708, 0.4544

Triad

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



36.4289, 0.4247, 0.4265



36.4289, 0.2044, 0.3125



36.4289, 0.3089, 0.2431

Complementary

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



36.4289, 0.4247, 0.4265



18.8949, 0.2123, 0.2018

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.



36.4289, 0.2468, 0.2246



36.4289, 0.4247, 0.4265



36.4289, 0.1921, 0.2568

Square

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



36.4289, 0.4247, 0.4265



36.4289, 0.2438, 0.3846



36.4289, 0.2067, 0.2280



36.4289, 0.3794, 0.2794

Rectangle

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



36.4289, 0.4247, 0.4265



36.4289, 0.3268, 0.4513



36.4289, 0.2067, 0.2280



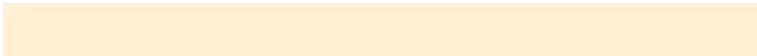
36.4289, 0.2863, 0.2347

Sweetspot

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



36.4307, 0.4247, 0.4265



87.9289, 0.3425, 0.3594



18.8484, 0.4276, 0.2772



18.4318, 0.3478, 0.3645



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.



36.4307, 0.4247, 0.4265



60.3779, 0.4509, 0.4406



49.6099, 0.3803, 0.4753



11.1690, 0.3273, 0.3442



17.9738, 0.4931, 0.4467



0.8995, 0.4728, 0.4628

Inverse Universe

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



18.8949, 0.2123, 0.2018



25.9624, 0.1922, 0.1691



12.2887, 0.2126, 0.1467



10.2894, 0.2984, 0.3133



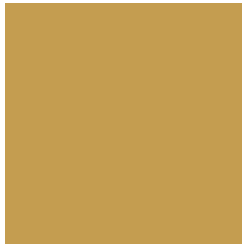
5.2035, 0.1640, 0.1105



0.3535, 0.1770, 0.1572

Previews

White Background



This preview shows how the Yxy color 36.4289, 0.4247, 0.4265 looks on a white background.

Color Contrast Check

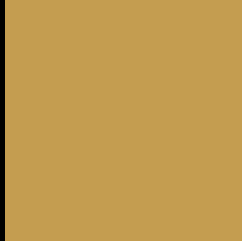
Large Text (above 18pt) WCAG AA × Fail

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 36.4289, 0.4247, 0.4265 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 36.4289, 0.4247, 0.4265

Background



This preview shows how black text looks on a background with the Yxy color 36.4289, 0.4247, 0.4265.



This preview shows how white text looks on a background with the Yxy color 36.4289, 0.4247, 0.4265.

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

36.4289, 0.4247, 0.4265

Protanopia

36.5069, 0.4019, 0.4387

Deuteranopia

36.4394, 0.4314, 0.4220



Tritanopia

36.3795, 0.3591, 0.3150

Trichromacy



Original Color

36.4289, 0.4247, 0.4265

Protanomaly

36.5229, 0.4104, 0.4347

Deuteranomaly

36.4982, 0.4286, 0.4240

Tritanomaly

36.0243, 0.3854, 0.3568

Monochromacy



Original Color

36.4289, 0.4247, 0.4265

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.3192, 0.3530, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4289, 0.4247, 0.4265 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(196, 157, 80)` looks like.

```
.text, #text, p{  
    color:rgb(196, 157, 80)  
}
```

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(196, 157, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 157, 80) }
```

Border

The CSS property to change the border of an element to Yxy 36.4289, 0.4247, 0.4265 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(196, 157, 80) }
```

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

```
.border{ border-color:rgb(196, 157, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 157, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 157, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 157, 80);  
box-shadow:4px 4px 4px 4px rgb(196, 157,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4289, 0.4247, 0.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 157, 80) }
```

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

```
.background{ background-color: rgb(196,  
157, 80) }
```

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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