

Converting Colors

$Yxy(36.9768, 0.4598, 0.4447)$

Have a look what the booklet for
Yxy(36.9768, 0.4598, 0.4447)
contains.

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Color

Yxy(37.0660, 0.4596, 0.4451)

Conversions

Conversions Part 1

Format	Color
Hex	D09B30
RGB	208, 155, 48
RGB Percent	82%, 61%, 19%
CMY	0.1842, 0.3922, 0.8117
CMYK	0.00, 0.25, 0.77, 0.18
HSL	40°, 63%, 50%
HSV	40°, 77%, 82%
XYZ	38.2735, 37.0660, 7.9362
YIQ	158.6490, 65.9350, -22.0410

Conversions

Conversions Part 2

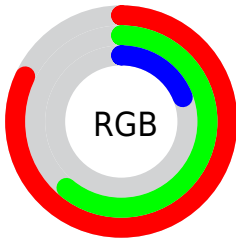
Format	Color
RYB	127, 208, 48
Decimal	13671216
CIELab	67.33, 10.06, 60.12
CIElCh	67, 60.958, 80.503
Yxy	37.0660, 0.4596, 0.4451
Android (android.graphics.Color)	4291861296 (0xFFD09B30)
YUV	158.6490, -54.5500, 43.2808
Hunter-Lab	60.8819, 5.6711, 34.8886

Details

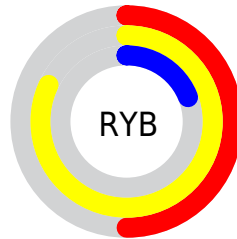
The Yxy color **37.0660, 0.4596, 0.4451** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **14.5039, 0.1850, 0.1554**, and the grayscale version is **34.7364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8202, 0.4248, 0.4336**, and **16.2902, 0.4836, 0.4542** is the 20% darker color. If you saturate the color by 10%, you get **34.7045, 0.4762, 0.4487**, and if you desaturate by 10%, it is **39.6428, 0.4405, 0.4367**.

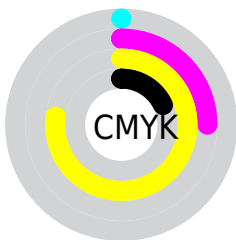
Distribution



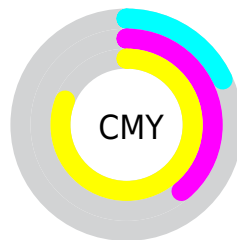
- Red (82%)
- Green (61%)
- Blue (19%)



- Red (50%)
- Yellow (82%)
- Blue (19%)



- Cyan (0%)
- Magenta (25%)
- Yellow (77%)
- Black (18%)




- Cyan (18%)
- Magenta (39%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0660, 0.4596, 0.4451 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 37.0660, 0.4596, 0.4451 by changing the saturation by 10% instead.


 37.0660, 0.4596,
0.4451


 37.0660, 0.4596,
0.4451


333.5962, 0.3888,
0.3930


 25.2586, 0.4743,
0.4543


 70.6743, 0.4356,
0.4286

 16.2698, 0.4909,
0.4633


 93.2439, 0.4260,
0.4216

 9.7153, 0.5119,
0.4737


 120.1698, 0.4177,
0.4154

 5.2106, 0.5266,
0.4734

 151.8363, 0.4104,
0.4099

 2.3714, 0.5380,
0.4620

 188.6278, 0.4040,
0.4050

 0.8111, 0.5592,
0.4408

 230.9287, 0.3984,

 0.0000, 0.0000,

0.4005

0.0000

279.1233, 0.3933,
0.3966

■ 37.0660, 0.4596,
0.4451

■ 37.0660, 0.4596,
0.4451

■ 34.7045, 0.4762,
0.4487

■ 39.6428, 0.4405,
0.4367

■ 32.5374, 0.4896,
0.4473

■ 42.4414, 0.4199,
0.4244

■ 31.9003, 0.4935,
0.4464

■ 45.4742, 0.3989,
0.4093

■ 48.7508, 0.3782,
0.3925

■ 52.2799, 0.3585,
0.3749

■ 56.0698, 0.3401,
0.3573

■ 60.1282, 0.3234,
0.3403

■ 64.4622, 0.3082,
0.3241

■ 69.0789, 0.2946,
0.3089

Harmonies

Analogous

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



37.0660, 0.4926, 0.3811



37.0660, 0.4596, 0.4451



37.0660, 0.3898, 0.4928

Triad

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



37.0660, 0.4596, 0.4451



37.0660, 0.1758, 0.3110



37.0660, 0.2986, 0.2172

Complementary

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



37.0660, 0.4596, 0.4451



14.5039, 0.1850, 0.1554

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.



37.0660, 0.2216, 0.1960



37.0660, 0.4596, 0.4451



37.0660, 0.1598, 0.2369

Square

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



37.0660, 0.4596, 0.4451



37.0660, 0.2263, 0.4125



37.0660, 0.1752, 0.2008



37.0660, 0.3932, 0.2600

Rectangle

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



37.0660, 0.4596, 0.4451



37.0660, 0.3334, 0.4980



37.0660, 0.1752, 0.2008



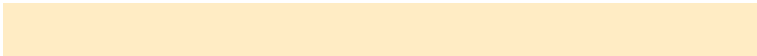
37.0660, 0.2699, 0.2075

Sweetspot

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



37.0678, 0.4596, 0.4451



84.9991, 0.3516, 0.3685



16.4767, 0.4911, 0.2748



17.7338, 0.3585, 0.3749



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.



37.0678, 0.4596, 0.4451



52.8504, 0.4848, 0.4484



55.2061, 0.3887, 0.5080



13.1097, 0.3274, 0.3445



20.0600, 0.4921, 0.4474



1.2639, 0.4755, 0.4606

Inverse Universe

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



14.5039, 0.1850, 0.1554



16.1386, 0.1679, 0.1192



8.1552, 0.1826, 0.0972



12.0487, 0.2982, 0.3130



5.6460, 0.1635, 0.1086



0.4601, 0.1740, 0.1462

Previews

White Background



This preview shows how the Yxy color 37.0660, 0.4596, 0.4451 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 37.0660, 0.4596, 0.4451 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 37.0660, 0.4596, 0.4451

Background



This preview shows how black text looks on a background with the Yxy color 37.0660, 0.4596, 0.4451.



This preview shows how white text looks on a background with the Yxy color 37.0660, 0.4596, 0.4451.

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

37.0660, 0.4596, 0.4451

Protanopia

37.3396, 0.4243, 0.4684

Deuteranopia

37.1121, 0.4566, 0.4474



Tritanopia

37.0982, 0.3756, 0.3156

Trichromacy



Original Color

37.0660, 0.4596, 0.4451

Protanomaly

37.0575, 0.4377, 0.4593

Deuteranomaly

37.2557, 0.4576, 0.4468

Tritanomaly

36.7763, 0.4126, 0.3691

Monochromacy



Original Color

37.0660, 0.4596, 0.4451

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.1327, 0.3691, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0660, 0.4596, 0.4451 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(208, 155, 48)` looks like.

```
.text, #text, p{  
    color:rgb(208, 155, 48)  
}
```

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(208, 155, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 155, 48) }
```

Border

The CSS property to change the border of an element to Yxy 37.0660, 0.4596, 0.4451 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(208, 155, 48) }
```

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

```
.border{ border-color:rgb(208, 155, 48) }
```

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

Here you see how a box with a 4 pixel rgb(208, 155, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 155, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 155, 48);  
box-shadow:4px 4px 4px 4px rgb(208, 155,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0660, 0.4596, 0.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 155, 48) }
```

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

```
.background{ background-color: rgb(208,  
155, 48) }
```

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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