

Converting Colors

$Y_{xy}(37.2834, 0.4618, 0.4252)$

Have a look what the booklet for
Yxy(37.2834, 0.4618, 0.4252)
contains.

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Color

Yxy(37.1023, 0.4617, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	D89740
RGB	216, 151, 64
RGB Percent	85%, 59%, 25%
CMY	0.1530, 0.4078, 0.7489
CMYK	0.00, 0.30, 0.70, 0.15
HSL	34°, 66%, 55%
HSV	34°, 70%, 85%
XYZ	40.3062, 37.1023, 9.8910
YIQ	160.5170, 66.6670, -13.2770

Conversions

Conversions Part 2

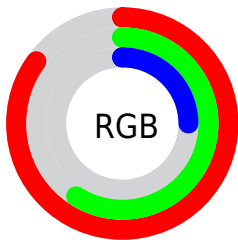
Format	Color
R _Y B	178, 216, 64
Decimal	14194496
CIE Lab	67.35, 16.36, 53.81
CIE LCh	67, 56.240, 73.083
Yxy	37.1023, 0.4617, 0.4250
Android (android.graphics.Color)	4292384576 (0xFFD89740)
YUV	160.5170, -47.5829, 48.6586
Hunter-Lab	60.9117, 11.5208, 33.0105

Details

The Yxy color **37.1023, 0.4617, 0.4250** 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 **21.7439, 0.1995, 0.1940**, and the grayscale version is **35.6083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1836, 0.4186, 0.4183**, and **16.2934, 0.4984, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **34.0471, 0.4845, 0.4299**, and if you desaturate by 10%, it is **40.4892, 0.4374, 0.4158**.

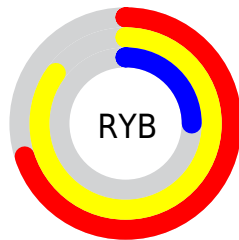
Distribution



Red (85%)

Green (59%)

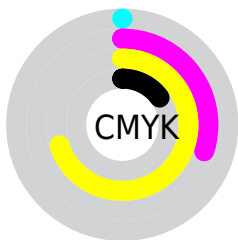
Blue (25%)



Red (70%)

Yellow (85%)

Blue (25%)

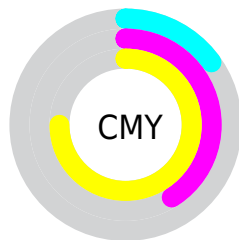


Cyan (0%)

Magenta (30%)

Yellow (70%)

Black (15%)



Cyan (15%)


Magenta (41%)


Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1023, 0.4617, 0.4250 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 37.1023, 0.4617, 0.4250 by changing the saturation by 10% instead.

 37.1023, 0.4617,
0.4250


 37.1023, 0.4617,
0.4250


333.7532, 0.3879,
0.3825


 25.2867, 0.4782,
0.4325


 70.7301, 0.4359,
0.4116


 16.2908, 0.4977,
0.4397


 93.3111, 0.4259,
0.4059

 9.7302, 0.5205,
0.4456


 120.2493, 0.4172,
0.4008

 5.2204, 0.5501,
0.4499

 151.9292, 0.4098,
0.3963

 2.3772, 0.5677,
0.4323

 188.7352, 0.4033,
0.3923

 0.8141, 0.5995,
0.4005

231.0516, 0.3975,

 0.0000, 1.0000,

0.3886

0.0000

279.2628, 0.3925,
0.3854

0.0000, 0.0000,
0.0000

37.1023, 0.4617,
0.4250

37.1023, 0.4617,
0.4250

34.0471, 0.4845,
0.4299

40.4892, 0.4374,
0.4158

31.3009, 0.5046,
0.4295

44.2172, 0.4129,
0.4035

28.9217, 0.5209,
0.4246

48.3016, 0.3894,
0.3892

52.7551, 0.3674,
0.3740

57.5893, 0.3473,
0.3587

■ 62.8153, 0.3293,
0.3437

■ 68.4436, 0.3132,
0.3295

■ 74.4842, 0.2991,
0.3162

■ 80.7255, 0.2886,
0.3072

Harmonies

Analogous

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



37.1023, 0.4794, 0.3645



37.1023, 0.4617, 0.4250



37.1023, 0.4041, 0.4737

Triad

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



37.1023, 0.4617, 0.4250



37.1023, 0.1940, 0.3352



37.1023, 0.2800, 0.2172

Complementary

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



37.1023, 0.4617, 0.4250



21.7439, 0.1995, 0.1940

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.



37.1023, 0.2143, 0.2031



37.1023, 0.4617, 0.4250



37.1023, 0.1703, 0.2580

Square

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



37.1023, 0.4617, 0.4250



37.1023, 0.2495, 0.4270



37.1023, 0.1776, 0.2149



37.1023, 0.3658, 0.2532

Rectangle

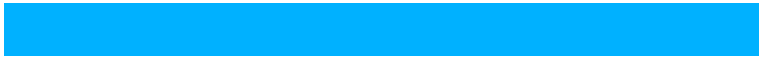
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.1023, 0.4617, 0.4250



37.1023, 0.3533, 0.4860



37.1023, 0.1776, 0.2149



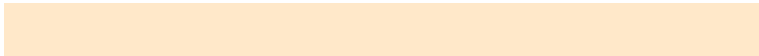
37.1023, 0.2551, 0.2099

Sweetspot

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



37.1042, 0.4617, 0.4250



83.2719, 0.3489, 0.3599



19.8731, 0.4429, 0.2576



17.3942, 0.3544, 0.3642



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.



37.1042, 0.4617, 0.4250



47.7656, 0.4938, 0.4304



62.5693, 0.3985, 0.4900



13.5893, 0.3277, 0.3423



17.3411, 0.5189, 0.4262



1.2087, 0.4971, 0.4435

Inverse Universe

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



21.7439, 0.1995, 0.1940



24.2907, 0.1824, 0.1626



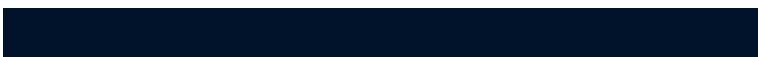
10.0883, 0.1832, 0.1083



12.8729, 0.2982, 0.3153



7.7048, 0.1710, 0.1355



0.6271, 0.1804, 0.1695

Previews

White Background



This preview shows how the Yxy color 37.1023, 0.4617, 0.4250 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 37.1023, 0.4617, 0.4250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

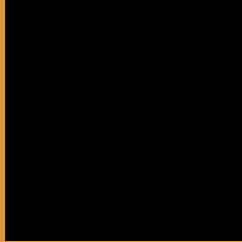
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.1023, 0.4617, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 37.1023, 0.4617, 0.4250.



This preview shows how white text looks on a background with the Yxy color 37.1023, 0.4617, 0.4250.

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

37.1023, 0.4617, 0.4250

Protanopia

37.3949, 0.4134, 0.4543

Deuteranopia

37.1150, 0.4469, 0.4369



Tritanopia

37.1426, 0.3883, 0.3172

Trichromacy



Original Color

37.1023, 0.4617, 0.4250

Protanomaly

37.1490, 0.4306, 0.4432

Deuteranomaly

37.0254, 0.4528, 0.4326

Tritanomaly

36.8225, 0.4200, 0.3594

Monochromacy



Original Color

37.1023, 0.4617, 0.4250

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.4441, 0.3669, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1023, 0.4617, 0.4250 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(216, 151, 64)` looks like.

```
.text, #text, p{  
    color:rgb(216, 151, 64)  
}
```

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(216, 151, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 151, 64) }
```

Border

The CSS property to change the border of an element to Yxy 37.1023, 0.4617, 0.4250 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(216, 151, 64) }
```

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

```
.border{ border-color:rgb(216, 151, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 151, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 151, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 151, 64);  
box-shadow:4px 4px 4px 4px rgb(216, 151,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1023, 0.4617, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 151, 64) }
```

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

```
.background{ background-color: rgb(216,  
151, 64) }
```

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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