

Converting Colors

$Y_{xy}(37.5771, 0.4593, 0.4374)$

Have a look what the booklet for
Yxy(37.5771, 0.4593, 0.4374)
contains.

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Color

Yxy(37.7253, 0.4590, 0.4374)

Conversions

Conversions Part 1

Format	Color
Hex	D49B38
RGB	212, 155, 56
RGB Percent	83%, 61%, 22%
CMY	0.1686, 0.3921, 0.7804
CMYK	0.00, 0.27, 0.74, 0.17
HSL	38°, 64%, 53%
HSV	38°, 74%, 83%
XYZ	39.5883, 37.7253, 8.9354
YIQ	160.7570, 65.7510, -18.7050

Conversions

Conversions Part 2

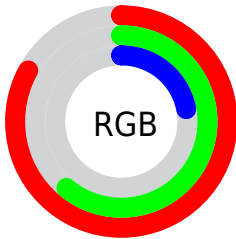
Format	Color
RYB	146, 212, 56
Decimal	13933368
CIELab	67.82, 12.12, 57.60
CIElCh	68, 58.862, 78.116
Yxy	37.7253, 0.4590, 0.4374
Android (android.graphics.Color)	4292123448 (0xFFD49B38)
YUV	160.7570, -51.6452, 44.9401
Hunter-Lab	61.4209, 7.5639, 34.3693

Details

The Yxy color **37.7253, 0.4590, 0.4374** 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 **17.4047, 0.1914, 0.1716**, and the grayscale version is **35.7443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9651, 0.4206, 0.4279**, and **16.6729, 0.4885, 0.4503** is the 20% darker color. If you saturate the color by 10%, you get **35.0654, 0.4781, 0.4420**, and if you desaturate by 10%, it is **40.6421, 0.4378, 0.4282**.

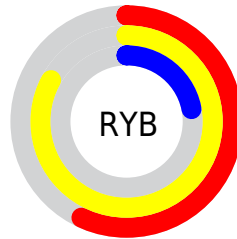
Distribution



Red (83%)

Green (61%)

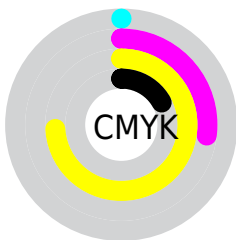
Blue (22%)



Red (57%)

Yellow (83%)

Blue (22%)

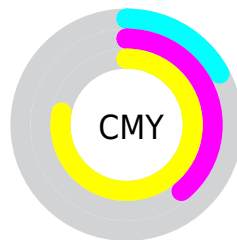


Cyan (0%)

Magenta (27%)

Yellow (74%)

Black (17%)



Cyan (17%)

Magenta (39%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7253, 0.4590, 0.4374 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 37.7253, 0.4590, 0.4374 by changing the saturation by 10% instead.


 37.7253, 0.4590,
0.4374


 37.7253, 0.4590,
0.4374


336.4401, 0.3879,
0.3889


 25.7696, 0.4743,
0.4460


 71.6869, 0.4346,
0.4220

 16.6513, 0.4918,
0.4546

 94.4615, 0.4249,
0.4155

 9.9862, 0.5125,
0.4628


 121.6113, 0.4166,
0.4097

 5.3898, 0.5339,
0.4661

 153.5205, 0.4093,
0.4046

 2.4777, 0.5471,
0.4529

 190.5736, 0.4029,
0.4000

 0.8655, 0.5706,
0.4294

 233.1550, 0.3973,

 0.0000, 1.0000,

0.3959

0.0000

281.6490, 0.3923,
0.3922

■ 0.0000, 0.0000,
0.0000

■ 37.7253, 0.4590,
0.4374

■ 37.7253, 0.4590,
0.4374

■ 35.0654, 0.4781,
0.4420

■ 40.6421, 0.4378,
0.4282

■ 32.6419, 0.4940,
0.4414

■ 43.8232, 0.4157,
0.4155

■ 31.1988, 0.5029,
0.4389

■ 47.2817, 0.3937,
0.4004

■ 51.0283, 0.3725,
0.3840

■ 55.0726, 0.3527,
0.3671

■ 59.4237, 0.3346,
0.3505

■ 64.0901, 0.3182,
0.3345

■ 69.0801, 0.3035,
0.3194

■ 74.4013, 0.2904,
0.3054

Harmonies

Analogous

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



37.7253, 0.4864, 0.3754



37.7253, 0.4590, 0.4374



37.7253, 0.3940, 0.4845

Triad

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



37.7253, 0.4590, 0.4374



37.7253, 0.1833, 0.3194



37.7253, 0.2925, 0.2183

Complementary

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



37.7253, 0.4590, 0.4374



17.4047, 0.1914, 0.1716

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.



37.7253, 0.2201, 0.1997



37.7253, 0.4590, 0.4374



37.7253, 0.1648, 0.2449

Square

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



37.7253, 0.4590, 0.4374



37.7253, 0.2350, 0.4164



37.7253, 0.1774, 0.2068



37.7253, 0.3830, 0.2585

Rectangle

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



37.7253, 0.4590, 0.4374



37.7253, 0.3401, 0.4918



37.7253, 0.1774, 0.2068



37.7253, 0.2654, 0.2095

Sweetspot

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



37.7272, 0.4590, 0.4374



84.5106, 0.3502, 0.3649



18.0228, 0.4705, 0.2687



17.7150, 0.3554, 0.3695



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.



37.7272, 0.4590, 0.4374



51.2465, 0.4870, 0.4423



58.4797, 0.3918, 0.5003



13.7214, 0.3275, 0.3438



19.4557, 0.5014, 0.4401



1.3287, 0.4836, 0.4542

Inverse Universe

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



17.4047, 0.1914, 0.1716



19.2249, 0.1738, 0.1366



9.1510, 0.1843, 0.1032



12.7443, 0.2982, 0.3138



6.4264, 0.1660, 0.1174



0.5428, 0.1757, 0.1525

Previews

White Background



This preview shows how the Yxy color 37.7253, 0.4590, 0.4374 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 37.7253, 0.4590, 0.4374 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 37.7253, 0.4590, 0.4374

Background



This preview shows how black text looks on a background with the Yxy color 37.7253, 0.4590, 0.4374.



This preview shows how white text looks on a background with the Yxy color 37.7253, 0.4590, 0.4374.

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

37.7253, 0.4590, 0.4374

Protanopia

37.9025, 0.4200, 0.4624

Deuteranopia

37.6552, 0.4528, 0.4431



Tritanopia

37.7112, 0.3798, 0.3159

Trichromacy



Original Color

37.7253, 0.4590, 0.4374

Protanomaly

37.7483, 0.4343, 0.4531

Deuteranomaly

37.6081, 0.4557, 0.4409

Tritanomaly

37.4499, 0.4135, 0.3648

Monochromacy



Original Color

37.7253, 0.4590, 0.4374

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.9296, 0.3680, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7253, 0.4590, 0.4374 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(212, 155, 56)` looks like.

```
.text, #text, p{  
    color:rgb(212, 155, 56)  
}
```

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(212, 155, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 155, 56) }
```

Border

The CSS property to change the border of an element to Yxy 37.7253, 0.4590, 0.4374 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(212, 155, 56) }
```

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

```
.border{ border-color:rgb(212, 155, 56) }
```

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

Here you see how a box with a 4 pixel rgb(212, 155, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 155, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 155, 56);  
box-shadow:4px 4px 4px 4px rgb(212, 155,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7253, 0.4590, 0.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 155, 56) }
```

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

```
.background{ background-color: rgb(212,  
155, 56) }
```

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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