

Converting Colors

$Yxy(37.8110, 0.4440, 0.4505)$

Have a look what the booklet for
Yxy(37.8110, 0.4440, 0.4505)
contains.

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Color

Yxy(37.8255, 0.4445, 0.4504)

Conversions

Conversions Part 1

Format	Color
Hex	C9A036
RGB	201, 160, 54
RGB Percent	79%, 63%, 21%
CMY	0.2117, 0.3726, 0.7881
CMYK	0.00, 0.20, 0.73, 0.21
HSL	43°, 58%, 50%
HSV	43°, 73%, 79%
XYZ	37.3300, 37.8255, 8.8265
YIQ	160.1750, 58.4620, -24.2740

Conversions

Conversions Part 2

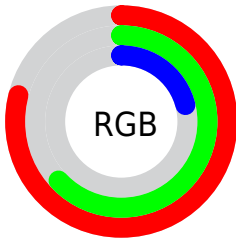
Format	Color
RYB	111, 201, 54
Decimal	13213750
CIELab	67.89, 4.56, 58.08
CIElCh	68, 58.262, 85.509
Yxy	37.8255, 0.4445, 0.4504
Android (android.graphics.Color)	4291403830 (0xFFC9A036)
YUV	160.1750, -52.3443, 35.8035
Hunter-Lab	61.5024, 0.7145, 34.5427

Details

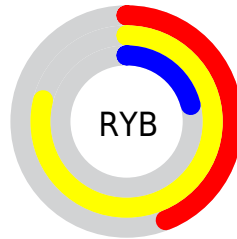
The Yxy color **37.8255, 0.4445, 0.4504** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **13.1986, 0.1872, 0.1529**, and the grayscale version is **35.4680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4147, 0.4187, 0.4339**, and **16.7769, 0.4675, 0.4670** is the 20% darker color. If you saturate the color by 10%, you get **35.7740, 0.4598, 0.4569**, and if you desaturate by 10%, it is **40.0466, 0.4269, 0.4395**.

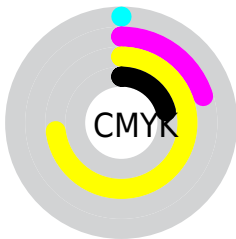
Distribution



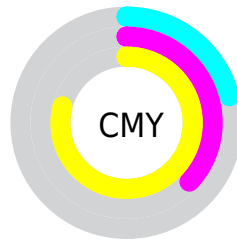
- Red (79%)
- Green (63%)
- Blue (21%)



- Red (44%)
- Yellow (79%)
- Blue (21%)



- Cyan (0%)
- Magenta (20%)
- Yellow (73%)
- Black (21%)





- Cyan (21%)
- Magenta (37%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8255, 0.4445, 0.4504 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 37.8255, 0.4445, 0.4504 by changing the saturation by 10% instead.


 37.8255, 0.4445,
0.4504


 37.8255, 0.4445,
0.4504


336.8708, 0.3813,
0.3939


 25.8473, 0.4577,
0.4614


 71.8406, 0.4231,
0.4318

 16.7094, 0.4724,
0.4731


 94.6463, 0.4145,
0.4242


 10.0275, 0.4896,
0.4859


 121.8299, 0.4071,
0.4175

 5.4172, 0.5052,
0.4948

 153.7758, 0.4006,
0.4116

 2.4941, 0.5104,
0.4896

 190.8685, 0.3948,
0.4064

 0.8737, 0.5198,
0.4802

 233.4923, 0.3898,

 0.0000, 0.0000,

0.4018

0.0000

282.0316, 0.3853,
0.3976

■ 37.8255, 0.4445,
0.4504

■ 37.8255, 0.4445,
0.4504

■ 35.7740, 0.4598,
0.4569

■ 40.0466, 0.4269,
0.4395

■ 33.8750, 0.4722,
0.4586

■ 42.4413, 0.4079,
0.4250

■ 32.6454, 0.4794,
0.4575

■ 45.0202, 0.3883,
0.4081

■ 47.7909, 0.3691,
0.3898

■ 50.7606, 0.3506,
0.3710

■ 53.9358, 0.3333,
0.3524

■ 57.3228, 0.3174,
0.3344

■ 60.9274, 0.3029,
0.3174

■ 64.7553, 0.2898,
0.3015

Harmonies

Analogous

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



37.8255, 0.4825, 0.3907



37.8255, 0.4445, 0.4504



37.8255, 0.3743, 0.4886

Triad

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



37.8255, 0.4445, 0.4504



37.8255, 0.1769, 0.2983



37.8255, 0.3141, 0.2274

Complementary

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



37.8255, 0.4445, 0.4504



13.1986, 0.1872, 0.1529

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.



37.8255, 0.2361, 0.2031



37.8255, 0.4445, 0.4504



37.8255, 0.1664, 0.2333

Square

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



37.8255, 0.4445, 0.4504



37.8255, 0.2203, 0.3920



37.8255, 0.1862, 0.2036



37.8255, 0.4037, 0.2717

Rectangle

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



37.8255, 0.4445, 0.4504



37.8255, 0.3197, 0.4851



37.8255, 0.1862, 0.2036



37.8255, 0.2856, 0.2168

Sweetspot

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



37.8273, 0.4445, 0.4504



87.3114, 0.3492, 0.3695



15.9007, 0.4911, 0.2838



18.3800, 0.3541, 0.3747



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.



37.8273, 0.4445, 0.4504



59.2152, 0.4678, 0.4585



50.5070, 0.3807, 0.5065



11.8971, 0.3272, 0.3456



20.6811, 0.4784, 0.4584



1.0968, 0.4634, 0.4703

Inverse Universe

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



13.1986, 0.1872, 0.1529



15.3757, 0.1678, 0.1145



8.8318, 0.1945, 0.1095



10.7615, 0.2983, 0.3119



4.5709, 0.1601, 0.0965



0.3419, 0.1721, 0.1394

Previews

White Background



This preview shows how the Yxy color 37.8255, 0.4445, 0.4504 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 37.8255, 0.4445, 0.4504 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 37.8255, 0.4445, 0.4504

Background



This preview shows how black text looks on a background with the Yxy color 37.8255, 0.4445, 0.4504.



This preview shows how white text looks on a background with the Yxy color 37.8255, 0.4445, 0.4504.

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

37.8255, 0.4445, 0.4504

Protanopia

37.8722, 0.4217, 0.4649

Deuteranopia

37.6552, 0.4528, 0.4431



Tritanopia

37.9412, 0.3627, 0.3153

Trichromacy



Original Color

37.8255, 0.4445, 0.4504

Protanomaly

37.9031, 0.4301, 0.4599

Deuteranomaly

37.7087, 0.4498, 0.4453

Tritanomaly

37.6382, 0.3984, 0.3701

Monochromacy



Original Color

37.8255, 0.4445, 0.4504

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.6360, 0.3642, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8255, 0.4445, 0.4504 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(201, 160, 54)` looks like.

```
.text, #text, p{  
    color:rgb(201, 160, 54)  
}
```

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(201, 160, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 160, 54) }
```

Border

The CSS property to change the border of an element to Yxy 37.8255, 0.4445, 0.4504 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(201, 160, 54) }
```

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

```
.border{ border-color:rgb(201, 160, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 160, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 160, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 160, 54);  
box-shadow:4px 4px 4px 4px rgb(201, 160,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8255, 0.4445, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 160, 54) }
```

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

```
.background{ background-color: rgb(201,  
160, 54) }
```

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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