

Converting Colors

$Y_{xy}(37.7539, 0.4456, 0.4786)$

Have a look what the booklet for
Yxy(37.7539, 0.4456, 0.4786)
contains.

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Color

Yxy(37.7979, 0.4451, 0.4791)

Conversions

Conversions Part 1

Format	Color
Hex	C0A411
RGB	192, 164, 17
RGB Percent	75%, 64%, 7%
CMY	0.2471, 0.3568, 0.9328
CMYK	0.00, 0.15, 0.91, 0.25
HSL	50°, 84%, 41%
HSV	50°, 91%, 75%
XYZ	35.1155, 37.7979, 5.9801
YIQ	155.6140, 63.8750, -39.7810

Conversions

Conversions Part 2

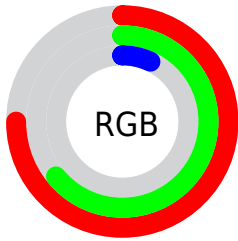
Format	Color
RYB	50, 192, 17
Decimal	12624913
CIELab	67.87, -2.74, 68.58
CIELCh	68, 68.637, 92.287
Yxy	37.7979, 0.4451, 0.4791
Android (android.graphics.Color)	4290814993 (0xFFC0A411)
YUV	155.6140, -68.3367, 31.9105
Hunter-Lab	61.4800, -5.6362, 37.2689

Details

The Yxy color **37.7979, 0.4451, 0.4791** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **5.8123, 0.1597, 0.0868**, and the grayscale version is **33.3610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9677, 0.4259, 0.4575**, and **16.8786, 0.4491, 0.4816** is the 20% darker color. If you saturate the color by 10%, you get **36.7878, 0.4508, 0.4803**, and if you desaturate by 10%, it is **39.0018, 0.4365, 0.4743**.

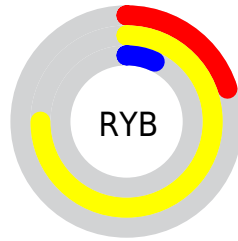
Distribution



Red (75%)

Green (64%)

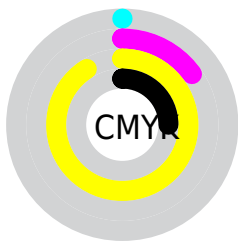
Blue (7%)



Red (20%)

Yellow (75%)

Blue (7%)

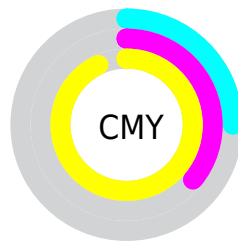


Cyan (0%)

Magenta (15%)

Yellow (91%)

Black (25%)



Cyan (25%)


Magenta (36%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7979, 0.4451, 0.4791 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 37.7979, 0.4451, 0.4791 by changing the saturation by 10% instead.

 37.7979, 0.4451,
0.4791


 37.7979, 0.4451,
0.4791


336.7522, 0.3854,
0.4099


 25.8259, 0.4555,
0.4918


 71.7983, 0.4263,
0.4568


 16.6934, 0.4657,
0.5048


 94.5954, 0.4183,
0.4475


 10.0161, 0.4784,
0.5216


 121.7697, 0.4111,
0.4393

 5.4097, 0.4764,
0.5236

 153.7055, 0.4047,
0.4320

 2.4896, 0.4731,
0.5269

 190.7873, 0.3991,
0.4255

 0.8714, 0.4663,
0.5337

 233.3994, 0.3940,

 0.0000, 0.0000,

0.4197

0.0000

281.9262, 0.3894,
0.4145

■ 37.7979, 0.4451,
0.4791

■ 37.7979, 0.4451,
0.4791

■ 36.7878, 0.4508,
0.4803

■ 39.0018, 0.4365,
0.4743

■ 40.2936, 0.4252,
0.4650

■ 41.6843, 0.4114,
0.4515

■ 43.1813, 0.3959,
0.4346

■ 44.7913, 0.3794,
0.4153

■ 46.5203, 0.3624,
0.3944

■ 48.3738, 0.3457,
0.3730

■ 50.3568, 0.3295,
0.3518

■ 52.4742, 0.3143,
0.3312

Harmonies

Analogous

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



37.7979, 0.5026, 0.4103



37.7979, 0.4451, 0.4791



37.7979, 0.3586, 0.5199

Triad

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



37.7979, 0.4451, 0.4791



37.7979, 0.1517, 0.2698



37.7979, 0.3370, 0.2224

Complementary

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



37.7979, 0.4451, 0.4791



5.8123, 0.1597, 0.0868

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.



37.7979, 0.2412, 0.1899



37.7979, 0.4451, 0.4791



37.7979, 0.1488, 0.2066

Square

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



37.7979, 0.4451, 0.4791



37.7979, 0.1903, 0.3763



37.7979, 0.1780, 0.1831



37.7979, 0.4411, 0.2756

Rectangle

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



37.7979, 0.4451, 0.4791



37.7979, 0.2957, 0.5070



37.7979, 0.1780, 0.1831



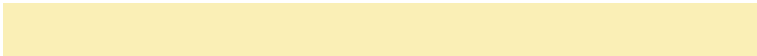
37.7979, 0.3022, 0.2090

Sweetspot

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



37.7997, 0.4451, 0.4791



85.4913, 0.3563, 0.3867



11.8106, 0.5911, 0.3111



18.0981, 0.3621, 0.3940



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.7997, 0.4451, 0.4791



66.3466, 0.4513, 0.4798



42.7840, 0.3647, 0.5429



11.4748, 0.3269, 0.3482



24.8498, 0.4503, 0.4806



1.1489, 0.4423, 0.4870

Inverse Universe

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



5.8123, 0.1597, 0.0868



8.4138, 0.1532, 0.0716



5.7234, 0.1842, 0.0833



10.0026, 0.2983, 0.3091



3.2872, 0.1542, 0.0749



0.2259, 0.1642, 0.1109

Previews

White Background



This preview shows how the Yxy color 37.7979, 0.4451, 0.4791 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 37.7979, 0.4451, 0.4791 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 37.7979, 0.4451, 0.4791

Background



This preview shows how black text looks on a background with the Yxy color 37.7979, 0.4451, 0.4791.



This preview shows how white text looks on a background with the Yxy color 37.7979, 0.4451, 0.4791.

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

37.7979, 0.4451, 0.4791

Protanopia

37.8809, 0.4378, 0.4844

Deuteranopia

37.7352, 0.4676, 0.4581



Tritanopia

37.5543, 0.3509, 0.3137

Trichromacy



Original Color

37.7979, 0.4451, 0.4791

Protanomaly

37.7728, 0.4409, 0.4820

Deuteranomaly

37.8960, 0.4591, 0.4659

Tritanomaly

36.9304, 0.3999, 0.3882

Monochromacy



Original Color

37.7979, 0.4451, 0.4791

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.2719, 0.3723, 0.4069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7979, 0.4451, 0.4791 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(192, 164, 17)` looks like.

```
.text, #text, p{  
    color:rgb(192, 164, 17)  
}
```

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(192, 164, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 164, 17) }
```

Border

The CSS property to change the border of an element to Yxy 37.7979, 0.4451, 0.4791 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(192, 164, 17) }
```

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

```
.border{ border-color:rgb(192, 164, 17) }
```

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

Here you see how a box with a 4 pixel rgb(192, 164, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 164, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 164, 17);  
box-shadow:4px 4px 4px 4px rgb(192, 164,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7979, 0.4451, 0.4791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 164, 17) }
```

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

```
.background{ background-color: rgb(192,  
164, 17) }
```

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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