

Converting Colors

$Y_{xy}(37.4664, 0.4483, 0.4783)$

Have a look what the booklet for
Yxy(37.4664, 0.4483, 0.4783)
contains.

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Color

Yxy(37.5609, 0.4479, 0.4785)

Conversions

Conversions Part 1

Format	Color
Hex	C1A30D
RGB	193, 163, 13
RGB Percent	76%, 64%, 5%
CMY	0.2432, 0.3607, 0.9490
CMYK	0.00, 0.16, 0.93, 0.24
HSL	50°, 87%, 40%
HSV	50°, 93%, 76%
XYZ	35.1589, 37.5609, 5.7774
YIQ	154.8700, 66.0300, -40.2900

Conversions

Conversions Part 2

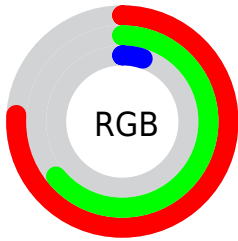
Format	Color
RYB	49, 193, 13
Decimal	12690189
CIELab	67.70, -1.83, 69.15
CIELCh	68, 69.173, 91.519
Yxy	37.5609, 0.4479, 0.4785
Android (android.graphics.Color)	4290880269 (0xFFC1A30D)
YUV	154.8700, -69.9419, 33.4400
Hunter-Lab	61.2869, -4.8509, 37.3117

Details

The Yxy color **37.5609, 0.4479, 0.4785** 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 **5.6610, 0.1583, 0.0841**, and the grayscale version is **33.0120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6046, 0.4283, 0.4575**, and **16.7392, 0.4520, 0.4793** is the 20% darker color. If you saturate the color by 10%, you get **36.7711, 0.4522, 0.4791**, and if you desaturate by 10%, it is **38.7955, 0.4397, 0.4748**.

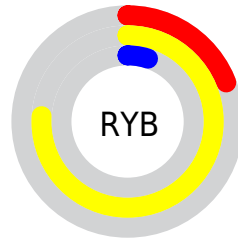
Distribution



Red (76%)

Green (64%)

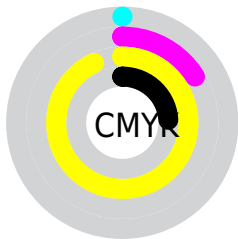
Blue (5%)



Red (19%)

Yellow (76%)

Blue (5%)

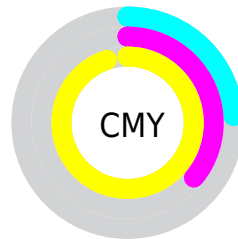


Cyan (0%)

Magenta (16%)

Yellow (93%)

Black (24%)



Cyan (24%)


Magenta (36%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5609, 0.4479, 0.4785 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 37.5609, 0.4479, 0.4785 by changing the saturation by 10% instead.


 37.5609, 0.4479,
0.4785


 37.5609, 0.4479,
0.4785


335.7326, 0.3869,
0.4100

 25.6421, 0.4585,
0.4909


 71.4346, 0.4287,
0.4566


 16.5561, 0.4689,
0.5033


 94.1583, 0.4205,
0.4474


 9.9185, 0.4813,
0.5187


 121.2524, 0.4132,
0.4392

 5.3449, 0.4800,
0.5200

 153.1012, 0.4067,
0.4320

 2.4510, 0.4778,
0.5222

 190.0893, 0.4009,
0.4255

 0.8520, 0.4731,
0.5269

 232.6009, 0.3957,

 0.0000, 0.0000,

0.4198

0.0000

281.0206, 0.3910,
0.4147

■ 37.5609, 0.4479,
0.4785

■ 37.5609, 0.4479,
0.4785

■ 36.7711, 0.4522,
0.4791

■ 38.7955, 0.4397,
0.4748

■ 40.1190, 0.4288,
0.4666

■ 41.5428, 0.4153,
0.4540

■ 43.0749, 0.3999,
0.4379

■ 44.7221, 0.3834,
0.4191

■ 46.4908, 0.3663,
0.3986

■ 48.3866, 0.3494,
0.3774

■ 50.4147, 0.3330,
0.3562

■ 52.5800, 0.3175,
0.3355

Harmonies

Analogous

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



37.5609, 0.5051, 0.4087



37.5609, 0.4479, 0.4785



37.5609, 0.3611, 0.5215

Triad

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



37.5609, 0.4479, 0.4785



37.5609, 0.1510, 0.2713



37.5609, 0.3344, 0.2205

Complementary

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



37.5609, 0.4479, 0.4785



5.6610, 0.1583, 0.0841

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.



37.5609, 0.2384, 0.1883



37.5609, 0.4479, 0.4785



37.5609, 0.1473, 0.2066

Square

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



37.5609, 0.4479, 0.4785



37.5609, 0.1907, 0.3798



37.5609, 0.1758, 0.1822



37.5609, 0.4399, 0.2735

Rectangle

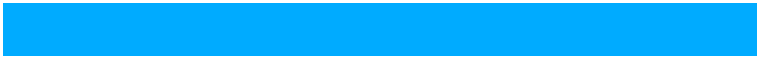
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.5609, 0.4479, 0.4785



37.5609, 0.2977, 0.5103



37.5609, 0.1758, 0.1822



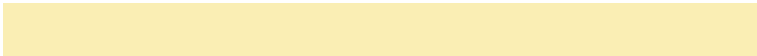
37.5609, 0.2994, 0.2071

Sweetspot

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



37.5627, 0.4479, 0.4785



84.8915, 0.3581, 0.3884



11.7975, 0.5980, 0.3126



17.9001, 0.3655, 0.3976



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.



37.5627, 0.4479, 0.4785



65.5567, 0.4528, 0.4787



43.1468, 0.3640, 0.5451



11.4636, 0.3269, 0.3480



24.5628, 0.4517, 0.4795



1.1389, 0.4433, 0.4862

Inverse Universe

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



5.6610, 0.1583, 0.0841



8.5246, 0.1535, 0.0725



5.5538, 0.1816, 0.0806



10.0130, 0.2983, 0.3092



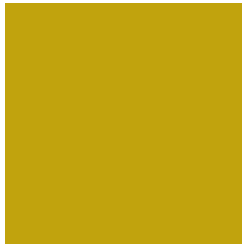
3.3334, 0.1544, 0.0758



0.2305, 0.1647, 0.1128

Previews

White Background



This preview shows how the Yxy color 37.5609, 0.4479, 0.4785 looks on a white background.

Color Contrast Check

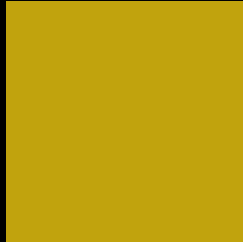
Large Text (above 18pt) WCAG AA × Fail

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 37.5609, 0.4479, 0.4785 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 37.5609, 0.4479, 0.4785

Background



This preview shows how black text looks on a background with the Yxy color 37.5609, 0.4479, 0.4785.



This preview shows how white text looks on a background with the Yxy color 37.5609, 0.4479, 0.4785.

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

37.5609, 0.4479, 0.4785

Protanopia

37.7432, 0.4376, 0.4863

Deuteranopia

37.7234, 0.4684, 0.4591



Tritanopia

37.6574, 0.3530, 0.3150

Trichromacy



Original Color

37.5609, 0.4479, 0.4785

Protanomaly

37.7608, 0.4416, 0.4831

Deuteranomaly

37.5365, 0.4611, 0.4661

Tritanomaly

37.0018, 0.4038, 0.3917

Monochromacy



Original Color

37.5609, 0.4479, 0.4785

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.8680, 0.3756, 0.4098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5609, 0.4479, 0.4785 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(193, 163, 13)` looks like.

```
.text, #text, p{  
    color:rgb(193, 163, 13)  
}
```

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(193, 163, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 163, 13) }
```

Border

The CSS property to change the border of an element to Yxy 37.5609, 0.4479, 0.4785 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(193, 163, 13) }
```

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

```
.border{ border-color:rgb(193, 163, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 163, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 163, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 163, 13);  
box-shadow:4px 4px 4px 4px rgb(193, 163,  
13) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 37.5609, 0.4479, 0.4785$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 163, 13) }
```

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

```
.background{ background-color: rgb(193,  
163, 13) }
```

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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