

Converting Colors

$Y_{xy}(37.6206, 0.4442, 0.4732)$

Have a look what the booklet for
Yxy(37.6206, 0.4442, 0.4732)
contains.

Yxy(37.6206, 0.4442, 0.4732)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6206, 0.4442, 0.4732)

Conversions

Conversions Part 1

Format	Color
Hex	C1A31D
RGB	193, 163, 29
RGB Percent	76%, 64%, 11%
CMY	0.2431, 0.3608, 0.8860
CMYK	0.00, 0.16, 0.85, 0.24
HSL	49°, 74%, 44%
HSV	49°, 85%, 76%
XYZ	35.3150, 37.6206, 6.5669
YIQ	156.6940, 60.8940, -35.3140

Conversions

Conversions Part 2

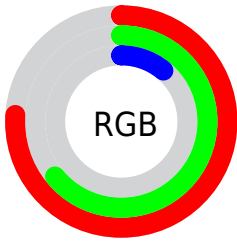
Format	Color
R_{YB}	66, 193, 29
Decimal	12690205
CIE _{Lab}	67.74, -1.49, 65.95
CIE _{LCh}	68, 65.964, 91.298
Yxy	37.6206, 0.4442, 0.4732
Android (android.graphics.Color)	4290880285 (0xFFC1A31D)
YUV	156.6940, -62.9531, 31.8404
Hunter-Lab	61.3356, -4.5630, 36.5871

Details

The Yxy color **37.6206, 0.4442, 0.4732** 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 **7.2504, 0.1667, 0.1033**, and the grayscale version is **33.8451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7300, 0.4246, 0.4523**, and **16.7392, 0.4520, 0.4793** is the 20% darker color. If you saturate the color by 10%, you get **36.3172, 0.4524, 0.4759**, and if you desaturate by 10%, it is **39.0225, 0.4331, 0.4659**.

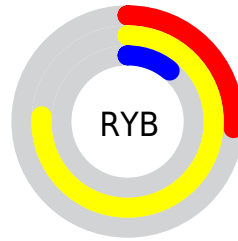
Distribution



Red (76%)

Green (64%)

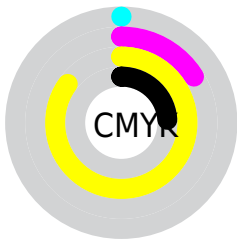
Blue (11%)



Red (26%)

Yellow (76%)

Blue (11%)

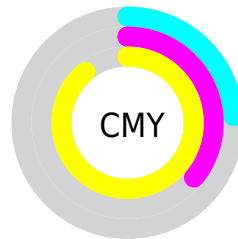


Cyan (0%)

Magenta (16%)

Yellow (85%)

Black (24%)



Cyan (24%)


Magenta (36%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6206, 0.4442, 0.4732 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 37.6206, 0.4442, 0.4732 by changing the saturation by 10% instead.


 37.6206, 0.4442,
0.4732


 37.6206, 0.4442,
0.4732


335.9896, 0.3839,
0.4063

 25.6884, 0.4552,
0.4858


 71.5262, 0.4248,
0.4515

 16.5906, 0.4664,
0.4988


 94.2684, 0.4167,
0.4424

 9.9431, 0.4825,
0.5175


 121.3827, 0.4095,
0.4345

 5.3612, 0.4813,
0.5187

 153.2535, 0.4031,
0.4275

 2.4607, 0.4796,
0.5204

 190.2652, 0.3975,
0.4212

 0.8569, 0.4759,
0.5241

 232.8022, 0.3924,

 0.0000, 0.0000,

0.4157

0.0000

281.2489, 0.3879,
0.4107

■ 37.6206, 0.4442,
0.4732

■ 37.6206, 0.4442,
0.4732

■ 36.3172, 0.4524,
0.4759

■ 39.0225, 0.4331,
0.4659

■ 35.6826, 0.4560,
0.4762

■ 40.5273, 0.4194,
0.4543

■ 42.1452, 0.4038,
0.4389

■ 43.8834, 0.3870,
0.4207

■ 45.7482, 0.3696,
0.4008

■ 47.7454, 0.3524,
0.3800

■ 49.8805, 0.3358,
0.3591

■ 52.1584, 0.3201,
0.3387

■ 54.5839, 0.3055,
0.3193

Harmonies

Analogous

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



37.6206, 0.4978, 0.4069



37.6206, 0.4442, 0.4732



37.6206, 0.3611, 0.5125

Triad

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



37.6206, 0.4442, 0.4732



37.6206, 0.1572, 0.2752



37.6206, 0.3330, 0.2243

Complementary

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



37.6206, 0.4442, 0.4732



7.2504, 0.1667, 0.1033

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.



37.6206, 0.2411, 0.1933



37.6206, 0.4442, 0.4732



37.6206, 0.1531, 0.2121

Square

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



37.6206, 0.4442, 0.4732



37.6206, 0.1964, 0.3785



37.6206, 0.1806, 0.1877



37.6206, 0.4334, 0.2757

Rectangle

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



37.6206, 0.4442, 0.4732



37.6206, 0.3001, 0.5010



37.6206, 0.1806, 0.1877



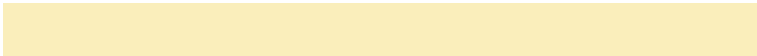
37.6206, 0.2997, 0.2113

Sweetspot

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



37.6224, 0.4442, 0.4732



85.3296, 0.3532, 0.3809



12.5389, 0.5649, 0.3049



18.0293, 0.3592, 0.3884



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.



37.6224, 0.4442, 0.4732



63.5600, 0.4566, 0.4756



43.9074, 0.3684, 0.5338



11.4346, 0.3269, 0.3477



23.8368, 0.4554, 0.4766



1.1134, 0.4460, 0.4841

Inverse Universe

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



7.2504, 0.1667, 0.1033



8.8308, 0.1541, 0.0747



6.4821, 0.1897, 0.0914



10.0397, 0.2983, 0.3096



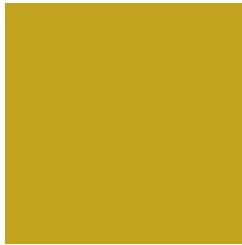
3.4600, 0.1551, 0.0783



0.2424, 0.1660, 0.1175

Previews

White Background



This preview shows how the Yxy color 37.6206, 0.4442, 0.4732 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 37.6206, 0.4442, 0.4732 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 37.6206, 0.4442, 0.4732

Background



This preview shows how black text looks on a background with the Yxy color 37.6206, 0.4442, 0.4732.



This preview shows how white text looks on a background with the Yxy color 37.6206, 0.4442, 0.4732.

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

37.6206, 0.4442, 0.4732

Protanopia

37.8053, 0.4338, 0.4807

Deuteranopia

37.6336, 0.4639, 0.4553



Tritanopia

37.6574, 0.3530, 0.3150

Trichromacy



Original Color

37.6206, 0.4442, 0.4732

Protanomaly

37.8228, 0.4378, 0.4776

Deuteranomaly

37.5971, 0.4573, 0.4611

Tritanomaly

37.1340, 0.3980, 0.3841

Monochromacy



Original Color

37.6206, 0.4442, 0.4732

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.4681, 0.3697, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6206, 0.4442, 0.4732 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(193, 163, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 163, 29) }
```

Border

The CSS property to change the border of an element to Yxy 37.6206, 0.4442, 0.4732 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, 29) }
```

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

```
.border{ border-color:rgb(193, 163, 29) }
```

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, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 163, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 163, 29);  
box-shadow:4px 4px 4px 4px rgb(193, 163,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6206, 0.4442, 0.4732 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, 29) }
```

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

```
.background{ background-color: rgb(193,  
163, 29) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor