

Converting Colors

$Y_{xy}(34.8991, 0.4880, 0.4966)$

Have a look what the booklet for
Yxy(34.8991, 0.4880, 0.4966)
contains.

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Color

Yxy(35.2533, 0.4662, 0.4681)

Conversions

Conversions Part 1

Format	Color
Hex	C79A00
RGB	199, 154, 0
RGB Percent	78%, 60%, 0%
CMY	0.2196, 0.3961, 1.0000
CMYK	0.00, 0.23, 1.00, 0.22
HSL	46°, 100%, 39%
HSV	46°, 100%, 78%
XYZ	35.1102, 35.2533, 4.9480
YIQ	149.8990, 76.2540, -38.3540

Conversions

Conversions Part 2

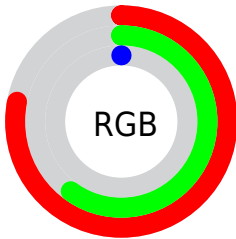
Format	Color
RYB	58, 199, 0
Decimal	13081088
CIELab	65.95, 5.55, 69.91
CIELCh	66, 70.134, 85.465
Yxy	35.2533, 0.4662, 0.4681
Android (android.graphics.Color)	4291271168 (0xFFC79A00)
YUV	149.8990, -73.9002, 43.0616
Hunter-Lab	59.3745, 1.6479, 36.6212

Details

The Yxy color **35.2533, 0.4662, 0.4681** 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 **6.0015, 0.1565, 0.0835**, and the grayscale version is **30.7512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8798, 0.4394, 0.4516**, and **15.2759, 0.4738, 0.4620** is the 20% darker color. If you saturate the color by 10%, you get **35.2555, 0.4662, 0.4681**, and if you desaturate by 10%, it is **36.8194, 0.4575, 0.4680**.

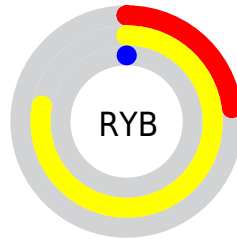
Distribution



Red (78%)

Green (60%)

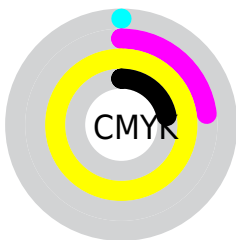
Blue (0%)



Red (23%)

Yellow (78%)

Blue (0%)

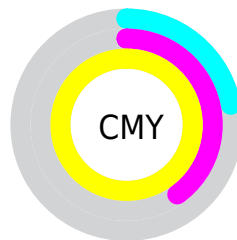


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2533, 0.4662, 0.4681 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 35.2533, 0.4662, 0.4681 by changing the saturation by 10% instead.


 35.2533, 0.4662,
0.4681


 35.2533, 0.4662,
0.4681


325.6850, 0.3955,
0.4069


 23.8581, 0.4790,
0.4778


 67.8780, 0.4436,
0.4495

 15.2284, 0.4923,
0.4869


 89.8762, 0.4341,
0.4413

 8.9798, 0.5056,
0.4944


 116.1776, 0.4256,
0.4339

 4.7280, 0.5100,
0.4900

 147.1664, 0.4181,
0.4273

 2.0886, 0.5169,
0.4831

 183.2272, 0.4115,
0.4213

 0.6582, 0.5362,
0.4638

 224.7443, 0.4055,

 0.0000, 0.0000,

0.4160

0.0000

272.1021, 0.4002,
0.4112

35.2533, 0.4662,
0.4681

35.2533, 0.4662,
0.4681

35.2555, 0.4662,
0.4681

36.8194, 0.4575,
0.4680

38.4912, 0.4462,
0.4638

40.2895, 0.4322,
0.4549

42.2242, 0.4160,
0.4420

44.3039, 0.3984,
0.4258

■ 46.5362, 0.3802,
0.4073

■ 48.9278, 0.3621,
0.3877

■ 51.4851, 0.3446,
0.3677

■ 54.2139, 0.3280,
0.3480

Harmonies

Analogous

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



35.2533, 0.5166, 0.3947



35.2533, 0.4662, 0.4681



35.2533, 0.3807, 0.5235

Triad

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



35.2533, 0.4662, 0.4681



35.2533, 0.1514, 0.2881



35.2533, 0.3127, 0.2088

Complementary

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



35.2533, 0.4662, 0.4681



6.0015, 0.1565, 0.0835

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.



35.2533, 0.2201, 0.1811



35.2533, 0.4662, 0.4681



35.2533, 0.1410, 0.2123

Square

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



35.2533, 0.4662, 0.4681



35.2533, 0.1997, 0.4072



35.2533, 0.1635, 0.1804



35.2533, 0.4237, 0.2593

Rectangle

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



35.2533, 0.4662, 0.4681



35.2533, 0.3160, 0.5255



35.2533, 0.1635, 0.1804



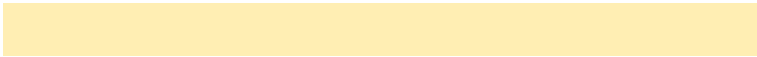
35.2533, 0.2782, 0.1968

Sweetspot

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



35.2555, 0.4662, 0.4681



85.4681, 0.3629, 0.3886



12.3444, 0.5992, 0.3075



17.9040, 0.3706, 0.3971



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.



35.2555, 0.4662, 0.4681



61.3416, 0.4670, 0.4674



46.9577, 0.3727, 0.5423



11.9944, 0.3271, 0.3468



22.8036, 0.4654, 0.4687



1.1826, 0.4539, 0.4778

Inverse Universe

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



6.0015, 0.1565, 0.0835



10.2131, 0.1560, 0.0815



4.8828, 0.1659, 0.0687



10.6702, 0.2983, 0.3106



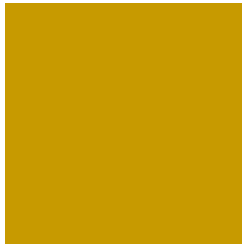
3.9691, 0.1571, 0.0856



0.3008, 0.1684, 0.1262

Previews

White Background



This preview shows how the Yxy color 35.2533, 0.4662, 0.4681 looks on a white background.

Color Contrast Check

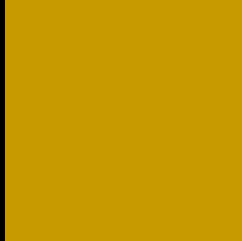
Large Text (above 18pt) WCAG AA × Fail

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 35.2533, 0.4662, 0.4681 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 35.2533, 0.4662, 0.4681

Background



This preview shows how black text looks on a background with the Yxy color 35.2533, 0.4662, 0.4681.



This preview shows how white text looks on a background with the Yxy color 35.2533, 0.4662, 0.4681.

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

35.2533, 0.4662, 0.4681

Protanopia

35.3354, 0.4387, 0.4866

Deuteranopia

35.1749, 0.4708, 0.4612



Tritanopia

35.2434, 0.3701, 0.3152

Trichromacy



Original Color

35.2533, 0.4662, 0.4681

Protanomaly

35.1582, 0.4497, 0.4791

Deuteranomaly

35.3522, 0.4693, 0.4637

Tritanomaly

34.5866, 0.4248, 0.3913

Monochromacy



Original Color

35.2533, 0.4662, 0.4681

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.2843, 0.3858, 0.4123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2533, 0.4662, 0.4681 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(199, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 154, 0)  
}
```

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(199, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 154, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.2533, 0.4662, 0.4681 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(199, 154, 0) }
```

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

```
.border{ border-color:rgb(199, 154, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 154, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 154,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2533, 0.4662, 0.4681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 154, 0) }
```

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

```
.background{ background-color: rgb(199,  
154, 0) }
```

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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