

Converting Colors

$Y_{xy}(36.0852, 0.4909, 0.4484)$

Have a look what the booklet for
Yxy(36.0852, 0.4909, 0.4484)
contains.

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Color

Yxy(36.0852, 0.4909, 0.4484)

Conversions

Conversions Part 1

Format	Color
Hex	DA9400
RGB	218, 148, 0
RGB Percent	85%, 58%, 0%
CMY	0.1451, 0.4196, 0.9997
CMYK	0.00, 0.32, 1.00, 0.15
HSL	41°, 100%, 43%
HSV	41°, 100%, 85%
XYZ	39.5054, 36.0852, 4.8849
YIQ	152.0580, 89.2280, -31.1880

Conversions

Conversions Part 2

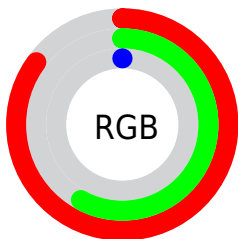
Format	Color
RYB	103, 218, 0
Decimal	14324736
CIELab	66.58, 17.17, 71.32
CIELCh	67, 73.361, 76.461
Yxy	36.0852, 0.4909, 0.4484
Android (android.graphics.Color)	4292514816 (0xFFDA9400)
YUV	152.0580, -74.9646, 57.8311
Hunter-Lab	60.0710, 12.2656, 37.2283

Details

The Yxy color **36.0852, 0.4909, 0.4484** 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 **9.4536, 0.1620, 0.1031**, and the grayscale version is **31.7320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9955, 0.4445, 0.4473**, and **15.7175, 0.5054, 0.4369** is the 20% darker color. If you saturate the color by 10%, you get **36.0790, 0.4909, 0.4484**, and if you desaturate by 10%, it is **38.4083, 0.4786, 0.4508**.

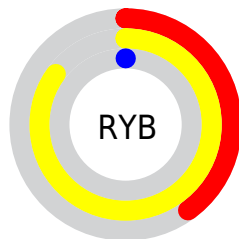
Distribution



Red (85%)

Green (58%)

Blue (0%)



Red (40%)

Yellow (85%)

Blue (0%)

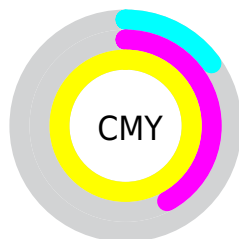


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0852, 0.4909, 0.4484 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 36.0852, 0.4909, 0.4484 by changing the saturation by 10% instead.


 36.0852, 0.4909,
0.4484


 36.0852, 0.4909,
0.4484


329.3328, 0.4077,
0.4006


 24.5000, 0.5066,
0.4541


 69.1635, 0.4639,
0.4354


 15.7049, 0.5238,
0.4579


 91.4255, 0.4527,
0.4291


 9.3156, 0.5420,
0.4580


 118.0151, 0.4428,
0.4232

 4.9476, 0.5542,
0.4458

 149.3169, 0.4340,
0.4178

 2.2166, 0.5733,
0.4267

 185.7151, 0.4263,
0.4129

 0.7290, 0.6104,
0.3896


 227.5943, 0.4194,


 0.0000, 1.0000,


0.4084


0.0000


 275.3387, 0.4132,
0.4043


 0.0000, 0.0000,
0.0000


 36.0852, 0.4909,
0.4484

 36.0852, 0.4909,
0.4484


 36.0790, 0.4909,
0.4484

 38.4083, 0.4786,
0.4508

 40.9294, 0.4635,
0.4486

 43.6738, 0.4455,
0.4415

 46.6554, 0.4257,
0.4301

 49.8864, 0.4049,
0.4155

■ 53.3777, 0.3843,
0.3989

■ 57.1390, 0.3643,
0.3812

■ 61.1796, 0.3456,
0.3633

■ 65.5081, 0.3283,
0.3457

Harmonies

Analogous

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



36.0852, 0.5275, 0.3727



36.0852, 0.4909, 0.4484



36.0852, 0.4102, 0.5169

Triad

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



36.0852, 0.4909, 0.4484



36.0852, 0.1569, 0.3195



36.0852, 0.2802, 0.1941

Complementary

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



36.0852, 0.4909, 0.4484



9.4536, 0.1620, 0.1031

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.



36.0852, 0.1957, 0.1737



36.0852, 0.4909, 0.4484



36.0852, 0.1358, 0.2262

Square

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



36.0852, 0.4909, 0.4484



36.0852, 0.2183, 0.4491



36.0852, 0.1490, 0.1818



36.0852, 0.3936, 0.2395

Rectangle

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



36.0852, 0.4909, 0.4484



36.0852, 0.3451, 0.5374



36.0852, 0.1490, 0.1818



36.0852, 0.2478, 0.1843

Sweetspot

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



36.0870, 0.4909, 0.4484



81.3254, 0.3649, 0.3817



15.3856, 0.5667, 0.2896



16.9094, 0.3733, 0.3893



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.



36.0870, 0.4909, 0.4484



51.1802, 0.4917, 0.4478



60.0536, 0.3899, 0.5286



14.5218, 0.3275, 0.3448



21.8159, 0.4896, 0.4494



1.5666, 0.4754, 0.4608

Inverse Universe

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



9.4536, 0.1620, 0.1031



13.2416, 0.1616, 0.1016



5.4463, 0.1567, 0.0637



13.2967, 0.2981, 0.3127



5.8321, 0.1627, 0.1056



0.5309, 0.1718, 0.1386

Previews

White Background



This preview shows how the Yxy color 36.0852, 0.4909, 0.4484 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 36.0852, 0.4909, 0.4484 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 36.0852, 0.4909, 0.4484

Background



This preview shows how black text looks on a background with the Yxy color 36.0852, 0.4909, 0.4484.



This preview shows how white text looks on a background with the Yxy color 36.0852, 0.4909, 0.4484.

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

36.0852, 0.4909, 0.4484

Protanopia

36.2934, 0.4378, 0.4859

Deuteranopia

36.0903, 0.4718, 0.4636



Tritanopia

36.1624, 0.3964, 0.3173

Trichromacy



Original Color

36.0852, 0.4909, 0.4484

Protanomaly

36.2092, 0.4572, 0.4724

Deuteranomaly

36.1581, 0.4789, 0.4580

Tritanomaly

35.6837, 0.4507, 0.3846

Monochromacy



Original Color

36.0852, 0.4909, 0.4484

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.2264, 0.3928, 0.4067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0852, 0.4909, 0.4484 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(218, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 148, 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(218, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 148, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.0852, 0.4909, 0.4484 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(218, 148, 0) }
```

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

```
.border{ border-color:rgb(218, 148, 0) }
```

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

Here you see how a box with a 4 pixel rgb(218, 148, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 148,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0852, 0.4909, 0.4484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 148, 0) }
```

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

```
.background{ background-color: rgb(218,  
148, 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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