

Converting Colors

$Y_{xy}(36.7181, 0.4884, 0.4504)$

Have a look what the booklet for
Yxy(36.7181, 0.4884, 0.4504)
contains.

Yxy(36.7181, 0.4884, 0.4504)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7181, 0.4884, 0.4504)

Conversions

Conversions Part 1

Format	Color
Hex	DA9600
RGB	218, 150, 0
RGB Percent	85%, 59%, 0%
CMY	0.1452, 0.4117, 0.9999
CMYK	0.00, 0.31, 1.00, 0.15
HSL	41°, 100%, 43%
HSV	41°, 100%, 85%
XYZ	39.8160, 36.7181, 4.9892
YIQ	153.2320, 88.6780, -32.2340

Conversions

Conversions Part 2

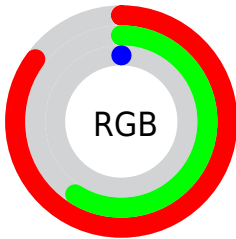
Format	Color
RYB	99, 218, 0
Decimal	14325248
CIELab	67.06, 16.08, 71.65
CIElCh	67, 73.429, 77.350
Yxy	36.7181, 0.4884, 0.4504
Android (android.graphics.Color)	4292515328 (0xFFDA9600)
YUV	153.2320, -75.5434, 56.8015
Hunter-Lab	60.5955, 11.2465, 37.5351

Details

The Yxy color **36.7181, 0.4884, 0.4504** 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 **9.1950, 0.1613, 0.1008**, and the grayscale version is **32.2710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9537, 0.4425, 0.4484**, and **16.0918, 0.5019, 0.4397** is the 20% darker color. If you saturate the color by 10%, you get **36.7171, 0.4884, 0.4504**, and if you desaturate by 10%, it is **39.0103, 0.4765, 0.4525**.

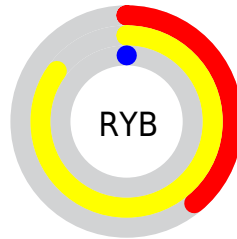
Distribution



Red (85%)

Green (59%)

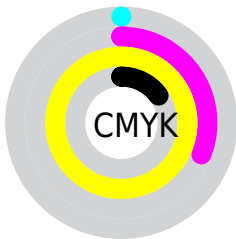
Blue (0%)



Red (39%)

Yellow (85%)

Blue (0%)

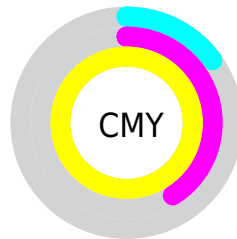


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7181, 0.4884, 0.4504 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 36.7181, 0.4884, 0.4504 by changing the saturation by 10% instead.


 36.7181, 0.4884,
0.4504


 36.7181, 0.4884,
0.4504


332.0884, 0.4068,
0.4014

 24.9893, 0.5037,
0.4564


 70.1390, 0.4620,
0.4369

 16.0691, 0.5203,
0.4607


 92.5999, 0.4510,
0.4304

 9.5731, 0.5382,
0.4618


 119.4070, 0.4413,
0.4245

 5.1168, 0.5494,
0.4506

 150.9446, 0.4327,
0.4190

 2.3160, 0.5671,
0.4329

 187.5971, 0.4250,
0.4140

 0.7821, 0.5997,
0.4003

 229.7490, 0.4183,


 0.0000, 1.0000,


0.4094


0.0000


 277.7847, 0.4122,
0.4052


 0.0000, 0.0000,
0.0000


 36.7181, 0.4884,
0.4504


 36.7181, 0.4884,
0.4504


 36.7171, 0.4884,
0.4504

 39.0103, 0.4765,
0.4525

 41.4931, 0.4618,
0.4502

 44.1916, 0.4442,
0.4429

 47.1197, 0.4248,
0.4314

 50.2892, 0.4044,
0.4166

■ 53.7109, 0.3839,
0.3998

■ 57.3944, 0.3642,
0.3819

■ 61.3488, 0.3455,
0.3638

■ 65.5824, 0.3283,
0.3460

Harmonies

Analogous

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



36.7181, 0.5265, 0.3749



36.7181, 0.4884, 0.4504



36.7181, 0.4072, 0.5177

Triad

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



36.7181, 0.4884, 0.4504



36.7181, 0.1563, 0.3162



36.7181, 0.2834, 0.1956

Complementary

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



36.7181, 0.4884, 0.4504



9.1950, 0.1613, 0.1008

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.



36.7181, 0.1981, 0.1744



36.7181, 0.4884, 0.4504



36.7181, 0.1363, 0.2247

Square

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



36.7181, 0.4884, 0.4504



36.7181, 0.2164, 0.4448



36.7181, 0.1504, 0.1817



36.7181, 0.3967, 0.2415

Rectangle

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



36.7181, 0.4884, 0.4504



36.7181, 0.3422, 0.5364



36.7181, 0.1504, 0.1817



36.7181, 0.2508, 0.1856

Sweetspot

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



36.7200, 0.4884, 0.4504



81.7269, 0.3647, 0.3824



15.3335, 0.5729, 0.2930



17.0055, 0.3730, 0.3901



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.



36.7200, 0.4884, 0.4504



52.1070, 0.4891, 0.4498



59.6012, 0.3869, 0.5310



14.5431, 0.3274, 0.3450



22.2013, 0.4871, 0.4514



1.5894, 0.4734, 0.4623

Inverse Universe

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



9.1950, 0.1613, 0.1008



12.8873, 0.1609, 0.0993



5.5125, 0.1578, 0.0643



13.2764, 0.2981, 0.3124



5.6778, 0.1621, 0.1033



0.5190, 0.1712, 0.1362

Previews

White Background



This preview shows how the Yxy color 36.7181, 0.4884, 0.4504 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 36.7181, 0.4884, 0.4504 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 36.7181, 0.4884, 0.4504

Background



This preview shows how black text looks on a background with the Yxy color 36.7181, 0.4884, 0.4504.



This preview shows how white text looks on a background with the Yxy color 36.7181, 0.4884, 0.4504.

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

36.7181, 0.4884, 0.4504

Protanopia

36.8969, 0.4388, 0.4852

Deuteranopia

36.7081, 0.4725, 0.4631



Tritanopia

36.6748, 0.3948, 0.3162

Trichromacy



Original Color

36.7181, 0.4884, 0.4504

Protanomaly

36.6863, 0.4570, 0.4726

Deuteranomaly

36.6313, 0.4785, 0.4582

Tritanomaly

36.0007, 0.4490, 0.3847

Monochromacy



Original Color

36.7181, 0.4884, 0.4504

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.6667, 0.3933, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7181, 0.4884, 0.4504 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, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 150, 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, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 150, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.7181, 0.4884, 0.4504 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, 150, 0) }
```

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

```
.border{ border-color:rgb(218, 150, 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, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 150,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7181, 0.4884, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 150, 0) }
```

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

```
.background{ background-color: rgb(218,  
150, 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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