

Converting Colors

$Y_{xy}(36.3175, 0.4973, 0.4433)$

Have a look what the booklet for
Yxy(36.3175, 0.4973, 0.4433)
contains.

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Color

Yxy(36.2457, 0.4976, 0.4431)

Conversions

Conversions Part 1

Format	Color
Hex	DF9200
RGB	223, 146, 0
RGB Percent	87%, 57%, 0%
CMY	0.1256, 0.4274, 1.0000
CMYK	0.00, 0.35, 1.00, 0.13
HSL	39°, 100%, 44%
HSV	39°, 100%, 87%
XYZ	40.7038, 36.2457, 4.8508
YIQ	152.3790, 92.7580, -29.0820

Conversions

Conversions Part 2

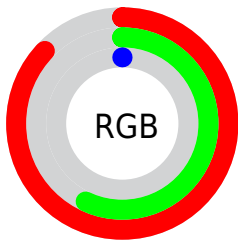
Format	Color
RYB	118, 223, 0
Decimal	14651904
CIELab	66.71, 20.38, 71.70
CIElCh	67, 74.540, 74.131
Yxy	36.2457, 0.4976, 0.4431
Android (android.graphics.Color)	4292841984 (0xFFDF9200)
YUV	152.3790, -75.1228, 61.9346
Hunter-Lab	60.2044, 15.3250, 37.3660

Details

The Yxy color **36.2457, 0.4976, 0.4431** 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 **10.6285, 0.1636, 0.1089**, and the grayscale version is **31.8752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0630, 0.4461, 0.4456**, and **15.8658, 0.5144, 0.4297** is the 20% darker color. If you saturate the color by 10%, you get **36.2464, 0.4976, 0.4431**, and if you desaturate by 10%, it is **38.7601, 0.4843, 0.4461**.

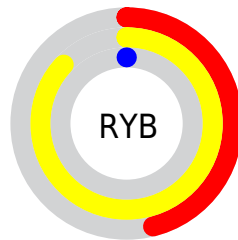
Distribution



Red (87%)

Green (57%)

Blue (0%)



Red (46%)

Yellow (87%)

Blue (0%)

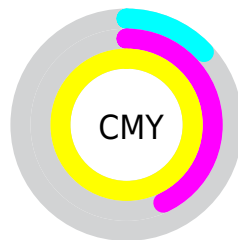


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2457, 0.4976, 0.4431 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 36.2457, 0.4976, 0.4431 by changing the saturation by 10% instead.


 36.2457, 0.4976,
0.4431


 36.2457, 0.4976,
0.4431


 330.0332, 0.4111,
0.3989


 24.6240, 0.5141,
0.4477


 69.4111, 0.4694,
0.4315


 15.7972, 0.5322,
0.4502


 91.7237, 0.4578,
0.4258


 9.3807, 0.5516,
0.4484


 118.3686, 0.4475,
0.4203

 4.9903, 0.5657,
0.4343

 149.7303, 0.4384,
0.4152

 2.2416, 0.5877,
0.4123

 186.1933, 0.4303,
0.4106

 0.7425, 0.6287,
0.3713

 228.1418, 0.4232,

 0.0000, 1.0000,

0.4063


0.0000


 275.9603, 0.4168,
0.4024

 0.0000, 0.0000,
0.0000

 36.2457, 0.4976,
0.4431

 36.2457, 0.4976,
0.4431


 36.2464, 0.4976,
0.4431

 38.7601, 0.4843,
0.4461

 41.5036, 0.4681,
0.4446

 44.5032, 0.4491,
0.4379

 47.7742, 0.4283,
0.4270

 51.3302, 0.4067,
0.4129

■ 55.1830, 0.3854,
0.3967

■ 59.3436, 0.3650,
0.3796

■ 63.8224, 0.3459,
0.3622

■ 68.6288, 0.3285,
0.3452

Harmonies

Analogous

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



36.2457, 0.5304, 0.3668



36.2457, 0.4976, 0.4431



36.2457, 0.4181, 0.5147

Triad

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



36.2457, 0.4976, 0.4431



36.2457, 0.1583, 0.3286



36.2457, 0.2716, 0.1901

Complementary

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



36.2457, 0.4976, 0.4431



10.6285, 0.1636, 0.1089

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.



36.2457, 0.1893, 0.1715



36.2457, 0.4976, 0.4431



36.2457, 0.1343, 0.2301

Square

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



36.2457, 0.4976, 0.4431



36.2457, 0.2233, 0.4608



36.2457, 0.1450, 0.1821



36.2457, 0.3855, 0.2340

Rectangle

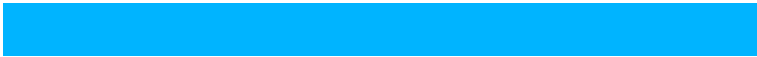
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.2457, 0.4976, 0.4431



36.2457, 0.3529, 0.5398



36.2457, 0.1450, 0.1821



36.2457, 0.2398, 0.1809

Sweetspot

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



36.2476, 0.4976, 0.4431



80.3107, 0.3654, 0.3800



16.2343, 0.5608, 0.2863



16.6668, 0.3740, 0.3873



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.



36.2476, 0.4976, 0.4431



48.8945, 0.4983, 0.4425



63.6462, 0.3928, 0.5263



15.1914, 0.3276, 0.3443



21.5370, 0.4961, 0.4443



1.6578, 0.4813, 0.4561

Inverse Universe

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



10.6285, 0.1636, 0.1089



14.2008, 0.1632, 0.1076



5.6573, 0.1555, 0.0630



14.0130, 0.2981, 0.3132



6.4409, 0.1643, 0.1116



0.6095, 0.1730, 0.1426

Previews

White Background



This preview shows how the Yxy color 36.2457, 0.4976, 0.4431 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 36.2457, 0.4976, 0.4431 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 36.2457, 0.4976, 0.4431

Background



This preview shows how black text looks on a background with the Yxy color 36.2457, 0.4976, 0.4431.



This preview shows how white text looks on a background with the Yxy color 36.2457, 0.4976, 0.4431.

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

36.2457, 0.4976, 0.4431

Protanopia

36.4192, 0.4387, 0.4848

Deuteranopia

36.2330, 0.4727, 0.4628



Tritanopia

36.3417, 0.4047, 0.3176

Trichromacy



Original Color

36.2457, 0.4976, 0.4431

Protanomaly

36.1416, 0.4601, 0.4697

Deuteranomaly

36.1303, 0.4819, 0.4556

Tritanomaly

35.8774, 0.4582, 0.3820

Monochromacy



Original Color

36.2457, 0.4976, 0.4431

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.1407, 0.3957, 0.4047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2457, 0.4976, 0.4431 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(223, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 146, 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(223, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 146, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.2457, 0.4976, 0.4431 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(223, 146, 0) }
```

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

```
.border{ border-color:rgb(223, 146, 0) }
```

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

Here you see how a box with a 4 pixel rgb(223, 146, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 146,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2457, 0.4976, 0.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 146, 0) }
```

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

```
.background{ background-color: rgb(223,  
146, 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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