

Converting Colors

Yxy(36.7494, 0.4907, 0.4486)

Have a look what the booklet for
Yxy(36.7494, 0.4907, 0.4486)
contains.

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Color

Yxy(36.7105, 0.4914, 0.4480)

Conversions

Conversions Part 1

Format	Color
Hex	DC9500
RGB	220, 149, 0
RGB Percent	86%, 58%, 0%
CMY	0.1372, 0.4157, 0.9996
CMYK	0.00, 0.32, 1.00, 0.14
HSL	41°, 100%, 43%
HSV	41°, 100%, 86%
XYZ	40.2668, 36.7105, 4.9658
YIQ	153.2430, 90.1450, -31.2870

Conversions

Conversions Part 2

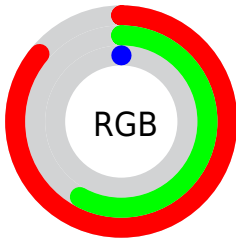
Format	Color
RYB	105, 220, 0
Decimal	14456064
CIELab	67.06, 17.51, 71.75
CIElCh	67, 73.856, 76.284
Yxy	36.7105, 0.4914, 0.4480
Android (android.graphics.Color)	4292646144 (0xFFDC9500)
YUV	153.2430, -75.5488, 58.5459
Hunter-Lab	60.5892, 12.5978, 37.5532

Details

The Yxy color **36.7105, 0.4914, 0.4480** 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 **9.6891, 0.1621, 0.1034**, and the grayscale version is **32.2788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4799, 0.4433, 0.4475**, and **16.1063, 0.5059, 0.4365** is the 20% darker color. If you saturate the color by 10%, you get **36.7030, 0.4914, 0.4480**, and if you desaturate by 10%, it is **39.0876, 0.4791, 0.4504**.

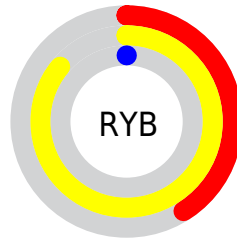
Distribution



Red (86%)

Green (58%)

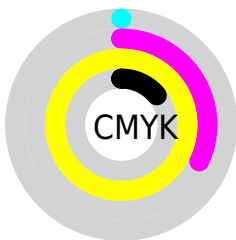
Blue (0%)



Red (41%)

Yellow (86%)

Blue (0%)

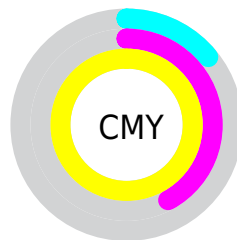


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7105, 0.4914, 0.4480 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 36.7105, 0.4914, 0.4480 by changing the saturation by 10% instead.

 36.7105, 0.4914,
0.4480


 36.7105, 0.4914,
0.4480


332.0554, 0.4082,
0.4006


 24.9834, 0.5071,
0.4536


 70.1273, 0.4645,
0.4351


 16.0647, 0.5241,
0.4572

 92.5858, 0.4532,
0.4289

 9.5700, 0.5425,
0.4575


 119.3903, 0.4433,
0.4231

 5.1148, 0.5547,
0.4453

 150.9251, 0.4346,
0.4178

 2.3148, 0.5737,
0.4263

 187.5746, 0.4268,
0.4129

 0.7815, 0.6085,
0.3915

 229.7232, 0.4199,


 0.0000, 1.0000,


0.4084


0.0000

 277.7554, 0.4138,
0.4043


 0.0000, 0.0000,
0.0000

 36.7105, 0.4914,
0.4480

 36.7105, 0.4914,
0.4480

 36.7030, 0.4914,
0.4480

 39.0876, 0.4791,
0.4504

 41.6686, 0.4638,
0.4483

 44.4791, 0.4458,
0.4412

 47.5334, 0.4259,
0.4299

 50.8441, 0.4051,
0.4153

■ 54.4221, 0.3844,
0.3987

■ 58.2778, 0.3644,
0.3811

■ 62.4204, 0.3456,
0.3632

■ 66.8588, 0.3283,
0.3457

Harmonies

Analogous

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



36.7105, 0.5277, 0.3722



36.7105, 0.4914, 0.4480



36.7105, 0.4108, 0.5168

Triad

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



36.7105, 0.4914, 0.4480



36.7105, 0.1570, 0.3202



36.7105, 0.2795, 0.1938

Complementary

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



36.7105, 0.4914, 0.4480



9.6891, 0.1621, 0.1034

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.



36.7105, 0.1952, 0.1735



36.7105, 0.4914, 0.4480



36.7105, 0.1357, 0.2265

Square

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



36.7105, 0.4914, 0.4480



36.7105, 0.2187, 0.4500



36.7105, 0.1487, 0.1818



36.7105, 0.3930, 0.2391

Rectangle

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



36.7105, 0.4914, 0.4480



36.7105, 0.3457, 0.5375



36.7105, 0.1487, 0.1818



36.7105, 0.2472, 0.1841

Sweetspot

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



36.7124, 0.4914, 0.4480



81.2532, 0.3649, 0.3816



15.7065, 0.5668, 0.2896



16.8921, 0.3733, 0.3892



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.



36.7124, 0.4914, 0.4480



51.0149, 0.4922, 0.4474



61.3069, 0.3899, 0.5286



14.5180, 0.3275, 0.3448



21.7471, 0.4901, 0.4491



1.5626, 0.4757, 0.4605

Inverse Universe

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



9.6891, 0.1621, 0.1034



13.3068, 0.1617, 0.1020



5.5587, 0.1566, 0.0637



13.3003, 0.2981, 0.3127



5.8605, 0.1628, 0.1061



0.5331, 0.1720, 0.1390

Previews

White Background



This preview shows how the Yxy color 36.7105, 0.4914, 0.4480 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 36.7105, 0.4914, 0.4480 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 36.7105, 0.4914, 0.4480

Background



This preview shows how black text looks on a background with the Yxy color 36.7105, 0.4914, 0.4480.



This preview shows how white text looks on a background with the Yxy color 36.7105, 0.4914, 0.4480.

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

36.7105, 0.4914, 0.4480

Protanopia

36.8969, 0.4388, 0.4852

Deuteranopia

36.7081, 0.4725, 0.4631



Tritanopia

36.5156, 0.3974, 0.3163

Trichromacy



Original Color

36.7105, 0.4914, 0.4480

Protanomaly

36.8218, 0.4579, 0.4718

Deuteranomaly

36.7795, 0.4794, 0.4575

Tritanomaly

36.0195, 0.4517, 0.3830

Monochromacy



Original Color

36.7105, 0.4914, 0.4480

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 36.7105, 0.4914, 0.4480 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(220, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(220, 149, 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(220, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 149, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.7105, 0.4914, 0.4480 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(220, 149, 0) }
```

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

```
.border{ border-color:rgb(220, 149, 0) }
```

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

Here you see how a box with a 4 pixel rgb(220, 149, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(220, 149,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7105, 0.4914, 0.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 149, 0) }
```

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

```
.background{ background-color: rgb(220,  
149, 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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