

Converting Colors

$Y_{xy}(35.9010, 0.4956, 0.4447)$

Have a look what the booklet for
Yxy(35.9010, 0.4956, 0.4447)
contains.

Yxy(35.9299, 0.4960, 0.4444)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.9299, 0.4960, 0.4444)

Conversions

Conversions Part 1

Format	Color
Hex	DD9200
RGB	221, 146, 0
RGB Percent	87%, 57%, 0%
CMY	0.1333, 0.4275, 1.0000
CMYK	0.00, 0.34, 1.00, 0.13
HSL	40°, 100%, 43%
HSV	40°, 100%, 87%
XYZ	40.1018, 35.9299, 4.8187
YIQ	151.7810, 91.5660, -29.5060

Conversions

Conversions Part 2

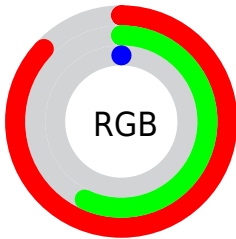
Format	Color
RYB	114, 221, 0
Decimal	14520832
CIELab	66.47, 19.55, 71.44
CIElCh	66, 74.068, 74.693
Yxy	35.9299, 0.4960, 0.4444
Android (android.graphics.Color)	4292710912 (0xFFDD9200)
YUV	151.7810, -74.8280, 60.7051
Hunter-Lab	59.9416, 14.5214, 37.1928

Details

The Yxy color **35.9299, 0.4960, 0.4444** 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 **10.2567, 0.1632, 0.1075**, and the grayscale version is **31.6007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0630, 0.4461, 0.4456**, and **15.8393, 0.5105, 0.4329** is the 20% darker color. If you saturate the color by 10%, you get **35.9319, 0.4960, 0.4444**, and if you desaturate by 10%, it is **38.3797, 0.4830, 0.4473**.

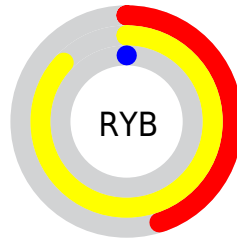
Distribution



Red (87%)

Green (57%)

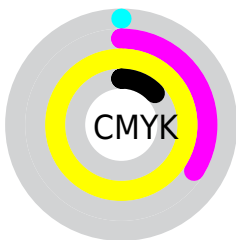
Blue (0%)



Red (45%)

Yellow (87%)

Blue (0%)

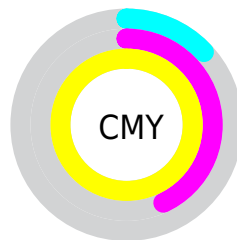


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9299, 0.4960, 0.4444 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 35.9299, 0.4960, 0.4444 by changing the saturation by 10% instead.


 35.9299, 0.4960,
0.4444


 35.9299, 0.4960,
0.4444


328.6540, 0.4102,
0.3992

 24.3801, 0.5123,
0.4493


 68.9239, 0.4681,
0.4324


 15.6158, 0.5303,
0.4521


 91.1368, 0.4565,
0.4265


 9.2527, 0.5493,
0.4507


 117.6728, 0.4463,
0.4210

 4.9064, 0.5631,
0.4369

 148.9164, 0.4372,
0.4158

 2.1924, 0.5846,
0.4154

 185.2519, 0.4293,
0.4111


 0.7159, 0.6261,
0.3739


 227.0638, 0.4222,


 0.0000, 1.0000,


0.4068


0.0000


 274.7364, 0.4158,
0.4028


 0.0000, 0.0000,
0.0000


 35.9299, 0.4960,
0.4444


 35.9299, 0.4960,
0.4444


 35.9319, 0.4960,
0.4444

 38.3797, 0.4830,
0.4473

 41.0487, 0.4670,
0.4455

 43.9637, 0.4482,
0.4388

 47.1395, 0.4277,
0.4277

 50.5890, 0.4063,
0.4135

■ 54.3240, 0.3851,
0.3973

■ 58.3550, 0.3648,
0.3800

■ 62.6919, 0.3459,
0.3625

■ 67.3439, 0.3285,
0.3454

Harmonies

Analogous

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



35.9299, 0.5297, 0.3683



35.9299, 0.4960, 0.4444



35.9299, 0.4162, 0.5153

Triad

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



35.9299, 0.4960, 0.4444



35.9299, 0.1579, 0.3264



35.9299, 0.2737, 0.1910

Complementary

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



35.9299, 0.4960, 0.4444



10.2567, 0.1632, 0.1075

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.



35.9299, 0.1908, 0.1720



35.9299, 0.4960, 0.4444



35.9299, 0.1346, 0.2291

Square

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



35.9299, 0.4960, 0.4444



35.9299, 0.2221, 0.4580



35.9299, 0.1460, 0.1820



35.9299, 0.3875, 0.2353

Rectangle

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



35.9299, 0.4960, 0.4444



35.9299, 0.3510, 0.5393



35.9299, 0.1460, 0.1820



35.9299, 0.2417, 0.1817

Sweetspot

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



35.9319, 0.4960, 0.4444



80.5513, 0.3653, 0.3804



15.9161, 0.5606, 0.2862



16.7243, 0.3738, 0.3878



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.



35.9319, 0.4960, 0.4444



49.4291, 0.4967, 0.4438



62.3975, 0.3928, 0.5263



14.4807, 0.3275, 0.3444



21.0870, 0.4945, 0.4456



1.5233, 0.4792, 0.4577

Inverse Universe

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



10.2567, 0.1632, 0.1075



13.9649, 0.1628, 0.1061



5.5474, 0.1555, 0.0630



13.3361, 0.2981, 0.3131



6.1461, 0.1640, 0.1103



0.5547, 0.1732, 0.1433

Previews

White Background



This preview shows how the Yxy color 35.9299, 0.4960, 0.4444 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 35.9299, 0.4960, 0.4444 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 35.9299, 0.4960, 0.4444

Background



This preview shows how black text looks on a background with the Yxy color 35.9299, 0.4960, 0.4444.



This preview shows how white text looks on a background with the Yxy color 35.9299, 0.4960, 0.4444.

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

35.9299, 0.4960, 0.4444

Protanopia

36.2962, 0.4377, 0.4856

Deuteranopia

36.0903, 0.4718, 0.4636



Tritanopia

36.0145, 0.4027, 0.3175

Trichromacy



Original Color

35.9299, 0.4960, 0.4444

Protanomaly

36.0062, 0.4591, 0.4705

Deuteranomaly

35.9821, 0.4810, 0.4563

Tritanomaly

35.5540, 0.4563, 0.3825

Monochromacy



Original Color

35.9299, 0.4960, 0.4444

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.0229, 0.3946, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9299, 0.4960, 0.4444 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(221, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 146, 0) }
```

Border

The CSS property to change the border of an element to Yxy 35.9299, 0.4960, 0.4444 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(221, 146, 0) }
```

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

```
.border{ border-color:rgb(221, 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(221, 146, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 146,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9299, 0.4960, 0.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 146, 0) }
```

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

```
.background{ background-color: rgb(221,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor