

Converting Colors

Yxy(40.9132, 0.4946, 0.4455)

Have a look what the booklet for
Yxy(40.9132, 0.4946, 0.4455)
contains.

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Color

Yxy(40.7663, 0.4950, 0.4452)

Conversions

Conversions Part 1

Format	Color
Hex	E99B00
RGB	233, 155, 0
RGB Percent	91%, 61%, 0%
CMY	0.0863, 0.3921, 1.0000
CMYK	0.00, 0.33, 1.00, 0.09
HSL	40°, 100%, 46%
HSV	40°, 100%, 91%
XYZ	45.3264, 40.7663, 5.4758
YIQ	160.6520, 96.2430, -31.6690

Conversions

Conversions Part 2

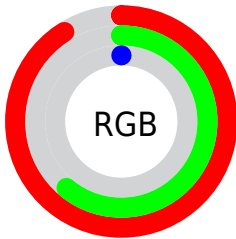
Format	Color
RYB	117, 233, 0
Decimal	15309568
CIELab	70.01, 19.90, 74.47
CIElCh	70, 77.085, 75.042
Yxy	40.7663, 0.4950, 0.4452
Android (android.graphics.Color)	4293499648 (0xFFE99B00)
YUV	160.6520, -79.2014, 63.4492
Hunter-Lab	63.8485, 14.9833, 39.6091

Details

The Yxy color **40.7663, 0.4950, 0.4452** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **11.3323, 0.1627, 0.1058**, and the grayscale version is **35.8133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3827, 0.4382, 0.4518**, and **18.5586, 0.5088, 0.4342** is the 20% darker color. If you saturate the color by 10%, you get **40.7687, 0.4950, 0.4452**, and if you desaturate by 10%, it is **43.5126, 0.4823, 0.4481**.

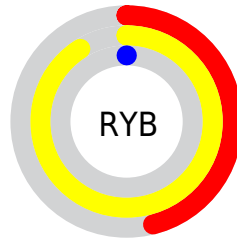
Distribution



Red (91%)

Green (61%)

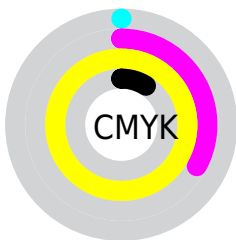
Blue (0%)



Red (46%)

Yellow (91%)

Blue (0%)

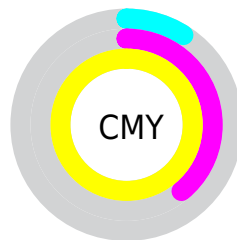


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (39%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7663, 0.4950, 0.4452 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 40.7663, 0.4950, 0.4452 by changing the saturation by 10% instead.


 40.7663, 0.4950,
0.4452

 40.7663, 0.4950,
0.4452


349.3429, 0.4117,
0.4008


 28.1365, 0.5105,
0.4500


 76.3290, 0.4683,
0.4335


 18.4286, 0.5271,
0.4527


 100.0307, 0.4571,
0.4278


 11.2581, 0.5466,
0.4534


 128.1919, 0.4471,
0.4223

 6.2407, 0.5587,
0.4413

 161.1968, 0.4384,
0.4173

 2.9920, 0.5771,
0.4229

 199.4300, 0.4305,
0.4126


 1.1276, 0.6081,
0.3919


 243.2759, 0.4236,

 0.0013, 0.9973,

0.4083

0.0027


 293.1187, 0.4173,
0.4044


 0.0000, 0.0000,
0.0000


 40.7663, 0.4950,
0.4452


 40.7663, 0.4950,
0.4452


 40.7687, 0.4950,
0.4452

 43.5126, 0.4823,
0.4481

 46.5032, 0.4666,
0.4464

 49.7675, 0.4480,
0.4397

 53.3225, 0.4276,
0.4286

 57.1828, 0.4063,
0.4143

■ 61.3616, 0.3852,
0.3979

■ 65.8708, 0.3649,
0.3805

■ 70.7215, 0.3459,
0.3628

■ 75.9242, 0.3285,
0.3455

Harmonies

Analogous

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



40.7663, 0.5293, 0.3691



40.7663, 0.4950, 0.4452



40.7663, 0.4150, 0.5157

Triad

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



40.7663, 0.4950, 0.4452



40.7663, 0.1577, 0.3250



40.7663, 0.2750, 0.1916

Complementary

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



40.7663, 0.4950, 0.4452



11.3323, 0.1627, 0.1058

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.



40.7663, 0.1918, 0.1723



40.7663, 0.4950, 0.4452



40.7663, 0.1348, 0.2285

Square

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



40.7663, 0.4950, 0.4452



40.7663, 0.2213, 0.4563



40.7663, 0.1466, 0.1819



40.7663, 0.3887, 0.2362

Rectangle

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



40.7663, 0.4950, 0.4452



40.7663, 0.3498, 0.5390



40.7663, 0.1466, 0.1819



40.7663, 0.2429, 0.1822

Sweetspot

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



40.7687, 0.4950, 0.4452



80.7497, 0.3652, 0.3807



17.9269, 0.5614, 0.2866



16.7717, 0.3737, 0.3882



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.



40.7687, 0.4950, 0.4452



49.8734, 0.4954, 0.4448



70.2938, 0.3927, 0.5264



16.7281, 0.3276, 0.3446



23.3693, 0.4935, 0.4464



2.0110, 0.4806, 0.4566

Inverse Universe

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



11.3323, 0.1627, 0.1058



13.7744, 0.1625, 0.1050



6.2399, 0.1554, 0.0629



15.3729, 0.2980, 0.3129



6.6340, 0.1635, 0.1085



0.6924, 0.1712, 0.1361

Previews

White Background



This preview shows how the Yxy color 40.7663, 0.4950, 0.4452 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 40.7663, 0.4950, 0.4452 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 40.7663, 0.4950, 0.4452

Background



This preview shows how black text looks on a background with the Yxy color 40.7663, 0.4950, 0.4452.



This preview shows how white text looks on a background with the Yxy color 40.7663, 0.4950, 0.4452.

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

40.7663, 0.4950, 0.4452

Protanopia

41.0118, 0.4387, 0.4850

Deuteranopia

40.9461, 0.4721, 0.4634



Tritanopia

40.6638, 0.4013, 0.3170

Trichromacy



Original Color

40.7663, 0.4950, 0.4452

Protanomaly

40.7042, 0.4592, 0.4708

Deuteranomaly

40.8296, 0.4808, 0.4565

Tritanomaly

40.0852, 0.4555, 0.3822

Monochromacy



Original Color

40.7663, 0.4950, 0.4452

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.3204, 0.3950, 0.4066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7663, 0.4950, 0.4452 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(233, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 155, 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(233, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 155, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.7663, 0.4950, 0.4452 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(233, 155, 0) }
```

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

```
.border{ border-color:rgb(233, 155, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 155,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7663, 0.4950, 0.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 155, 0) }
```

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

```
.background{ background-color: rgb(233,  
155, 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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