

Converting Colors

$Y_{xy}(39.8459, 0.4942, 0.4275)$

Have a look what the booklet for
Yxy(39.8459, 0.4942, 0.4275)
contains.

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Color

Yxy(39.9704, 0.4944, 0.4276)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | ED9628 |
| RGB | 237, 150, 40 |
| RGB Percent | 93%, 59%, 16% |
| CMY | 0.0706, 0.4117, 0.8429 |
| CMYK | 0.00, 0.37, 0.83, 0.07 |
| HSL | 33°, 85%, 54% |
| HSV | 33°, 83%, 93% |
| XYZ | 46.2146, 39.9704, 7.2911 |
| YIQ | 163.4730, 87.1620, -15.7660 |

Conversions

Conversions Part 2

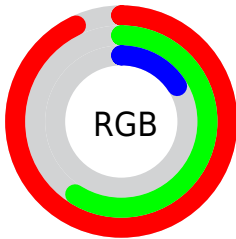
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 196, 237, 40 |
| Decimal | 15570472 |
| CIE _{Lab} | 69.45, 24.86, 66.11 |
| CIE _{LCh} | 69, 70.629, 69.391 |
| Yxy | 39.9704, 0.4944, 0.4276 |
| Android (android.graphics.Color) | 4293760552 (0xFFED9628) |
| YUV | 163.4730, -60.8722, 64.4832 |
| Hunter-Lab | 63.2221, 19.8425, 37.4178 |

Details

The Yxy color **39.9704, 0.4944, 0.4276** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **21.7566, 0.1848, 0.1692**, and the grayscale version is **37.1283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2903, 0.4316, 0.4339**, and **18.0376, 0.5210, 0.4245** is the 20% darker color. If you saturate the color by 10%, you get **36.6641, 0.5140, 0.4251**, and if you desaturate by 10%, it is **43.6780, 0.4715, 0.4246**.

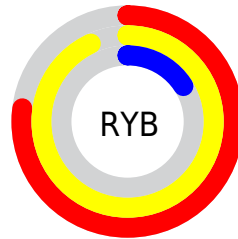
Distribution



Red (93%)

Green (59%)

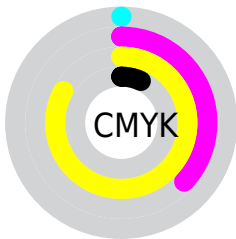
Blue (16%)



Red (77%)

Yellow (93%)

Blue (16%)

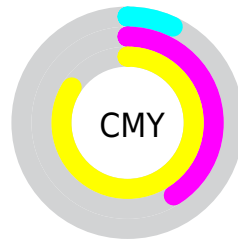


Cyan (0%)

Magenta (37%)

Yellow (83%)

Black (7%)



Cyan (7%)

Magenta (41%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9704, 0.4944, 0.4276 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 39.9704, 0.4944, 0.4276 by changing the saturation by 10% instead.


 39.9704, 0.4944,
0.4276


 39.9704, 0.4944,
0.4276


345.9988, 0.4080,
0.3896

 27.5155, 0.5121,
0.4320


 75.1184, 0.4655,
0.4174


 17.9607, 0.5320,
0.4344


 98.5803, 0.4538,
0.4125

 10.9218, 0.5582,
0.4365


 126.4800, 0.4436,
0.4078

 6.0143, 0.5763,
0.4237

 159.2018, 0.4346,
0.4035

 2.8538, 0.5990,
0.4010

 197.1302, 0.4267,
0.3995

 1.0559, 0.6369,
0.3631

 240.6496, 0.4198,

 0.0000, 1.0000,

0.3959

0.0000

290.1443, 0.4136,
0.3926

■ 0.0000, 0.0000,
0.0000

■ 39.9704, 0.4944,
0.4276

■ 39.9704, 0.4944,
0.4276

■ 36.6641, 0.5140,
0.4251

■ 43.6780, 0.4715,
0.4246

■ 34.5922, 0.5257,
0.4208

■ 47.8040, 0.4467,
0.4169

■ 52.3704, 0.4214,
0.4056

■ 57.3956, 0.3970,
0.3921

■ 62.8962, 0.3740,
0.3773

68.8879, 0.3530,
0.3622

75.3854, 0.3342,
0.3474

82.4025, 0.3175,
0.3332

89.9526, 0.3028,
0.3199

Harmonies

Analogous

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



39.9704, 0.5128, 0.3564



39.9704, 0.4944, 0.4276



39.9704, 0.4270, 0.4942

Triad

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



39.9704, 0.4944, 0.4276



39.9704, 0.1764, 0.3483



39.9704, 0.2608, 0.1944

Complementary

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



39.9704, 0.4944, 0.4276



21.7566, 0.1848, 0.1692

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.



39.9704, 0.1888, 0.1811



39.9704, 0.4944, 0.4276



39.9704, 0.1467, 0.2498

Square

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



39.9704, 0.4944, 0.4276



39.9704, 0.2442, 0.4650



39.9704, 0.1517, 0.1968



39.9704, 0.3629, 0.2327

Rectangle

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



39.9704, 0.4944, 0.4276



39.9704, 0.3677, 0.5204



39.9704, 0.1517, 0.1968



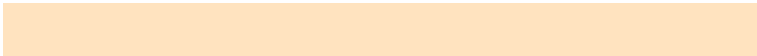
39.9704, 0.2328, 0.1870

Sweetspot

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



39.9725, 0.4944, 0.4276



79.8841, 0.3571, 0.3652



21.1017, 0.4753, 0.2531



16.5588, 0.3644, 0.3706



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.



39.9725, 0.4944, 0.4276



40.7151, 0.5262, 0.4204



77.0757, 0.4076, 0.5035



16.4490, 0.3279, 0.3422



19.1527, 0.5235, 0.4225



1.6952, 0.5051, 0.4371

Inverse Universe

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



21.7566, 0.1848, 0.1692



18.9488, 0.1710, 0.1355



8.3110, 0.1630, 0.0781



15.6440, 0.2980, 0.3155



9.0712, 0.1720, 0.1392



0.9012, 0.1794, 0.1659

Previews

White Background



This preview shows how the Yxy color 39.9704, 0.4944, 0.4276 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 39.9704, 0.4944, 0.4276 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 39.9704, 0.4944, 0.4276

Background



This preview shows how black text looks on a background with the Yxy color 39.9704, 0.4944, 0.4276.



This preview shows how white text looks on a background with the Yxy color 39.9704, 0.4944, 0.4276.

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

39.9704, 0.4944, 0.4276

Protanopia

40.0153, 0.4293, 0.4728

Deuteranopia

39.9014, 0.4646, 0.4548



Tritanopia

40.0129, 0.4124, 0.3183

Trichromacy



Original Color

39.9704, 0.4944, 0.4276

Protanomaly

39.7787, 0.4535, 0.4562

Deuteranomaly

39.7709, 0.4755, 0.4450

Tritanomaly

39.7731, 0.4515, 0.3660

Monochromacy



Original Color

39.9704, 0.4944, 0.4276

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.7089, 0.3837, 0.3835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9704, 0.4944, 0.4276 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(237, 150, 40)` looks like.

```
.text, #text, p{  
    color:rgb(237, 150, 40)  
}
```

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(237, 150, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 150, 40) }
```

Border

The CSS property to change the border of an element to Yxy 39.9704, 0.4944, 0.4276 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(237, 150, 40) }
```

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

```
.border{ border-color:rgb(237, 150, 40) }
```

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

Here you see how a box with a 4 pixel rgb(237, 150, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 150, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 150, 40);  
box-shadow:4px 4px 4px 4px rgb(237, 150,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9704, 0.4944, 0.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 150, 40) }
```

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

```
.background{ background-color: rgb(237,  
150, 40) }
```

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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