

Converting Colors

$Y_{xy}(40.4694, 0.4663, 0.4126)$

Have a look what the booklet for
Yxy(40.4694, 0.4663, 0.4126)
contains.

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Color

Yxy(40.5945, 0.4656, 0.4132)

Conversions

Conversions Part 1

Format	Color
Hex	E79A4A
RGB	231, 154, 74
RGB Percent	91%, 60%, 29%
CMY	0.0942, 0.3960, 0.7097
CMYK	0.00, 0.33, 0.68, 0.09
HSL	31°, 77%, 60%
HSV	31°, 68%, 91%
XYZ	45.7425, 40.5945, 11.9072
YIQ	167.9030, 71.5720, -8.5560

Conversions

Conversions Part 2

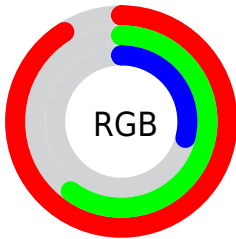
Format	Color
R _{YB}	225, 231, 74
Decimal	15178314
CIE Lab	69.89, 21.61, 52.45
CIE LCh	70, 56.724, 67.606
Yxy	40.5945, 0.4656, 0.4132
Android (android.graphics.Color)	4293368394 (0xFFE79A4A)
YUV	167.9030, -46.2942, 55.3361
Hunter-Lab	63.7138, 16.6526, 33.5192

Details

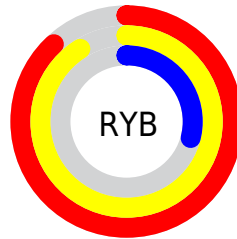
The Yxy color **40.5945, 0.4656, 0.4132** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **29.3550, 0.2060, 0.2136**, and the grayscale version is **39.3153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3673, 0.4096, 0.4130**, and **18.4126, 0.5029, 0.4252** is the 20% darker color. If you saturate the color by 10%, you get **36.7756, 0.4921, 0.4177**, and if you desaturate by 10%, it is **44.8846, 0.4383, 0.4045**.

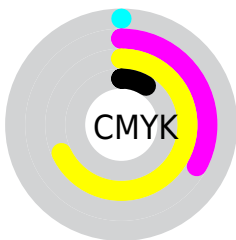
Distribution



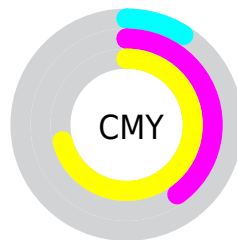
- Red (91%)
- Green (60%)
- Blue (29%)



- Red (88%)
- Yellow (91%)
- Blue (29%)



- Cyan (0%)
- Magenta (33%)
- Yellow (68%)
- Black (9%)



- Cyan (9%)
- Magenta (40%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5945, 0.4656, 0.4132 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 40.5945, 0.4656, 0.4132 by changing the saturation by 10% instead.

 40.5945, 0.4656,
0.4132


 40.5945, 0.4656,
0.4132


348.6230, 0.3902,
0.3773

 28.0024, 0.4827,
0.4191


 76.0679, 0.4392,
0.4022


 18.3274, 0.5031,
0.4248


 99.7181, 0.4289,
0.3974

 11.1853, 0.5272,
0.4286


 127.8230, 0.4201,
0.3932

 6.1916, 0.5647,
0.4353

 160.7670, 0.4125,
0.3893

 2.9620, 0.5845,
0.4155

 198.9347, 0.4059,
0.3858

 1.1119, 0.6178,
0.3822

242.7103, 0.4000,

 0.0000, 1.0000,

0.3827

0.0000

292.4782, 0.3948,
0.3799

■ 0.0000, 0.0000,
0.0000

■ 40.5945, 0.4656,
0.4132

■ 40.5945, 0.4656,
0.4132

■ 36.7756, 0.4921,
0.4177

■ 44.8846, 0.4383,
0.4045

■ 33.3988, 0.5160,
0.4171

■ 49.6603, 0.4116,
0.3930


■ 30.4376, 0.5360,
0.4110

■ 54.9424, 0.3866,
0.3799


■ 29.8757, 0.5399,
0.4095

■ 60.7486, 0.3638,
0.3661

■ 67.0954, 0.3434,
0.3523

 73.9983, 0.3254,
0.3390

 81.4725, 0.3097,
0.3265

 89.2842, 0.2981,
0.3186

 95.7255, 0.2981,
0.3290

Harmonies

Analogous

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



40.5945, 0.4736, 0.3533



40.5945, 0.4656, 0.4132



40.5945, 0.4150, 0.4643

Triad

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



40.5945, 0.4656, 0.4132



40.5945, 0.2040, 0.3518



40.5945, 0.2670, 0.2149

Complementary

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



40.5945, 0.4656, 0.4132



29.3550, 0.2060, 0.2136

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.



40.5945, 0.2073, 0.2054



40.5945, 0.4656, 0.4132



40.5945, 0.1747, 0.2710

Square

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



40.5945, 0.4656, 0.4132



40.5945, 0.2637, 0.4387



40.5945, 0.1765, 0.2224



40.5945, 0.3490, 0.2467

Rectangle

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



40.5945, 0.4656, 0.4132



40.5945, 0.3671, 0.4817



40.5945, 0.1765, 0.2224



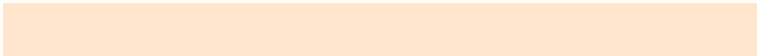
40.5945, 0.2441, 0.2090

Sweetspot

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



40.5966, 0.4656, 0.4132



82.2086, 0.3476, 0.3553



24.1699, 0.4208, 0.2474



17.1096, 0.3533, 0.3592



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.



40.5966, 0.4656, 0.4132



44.0644, 0.5033, 0.4181



74.6207, 0.4050, 0.4816



15.5763, 0.3280, 0.3410



17.0014, 0.5375, 0.4114



1.4422, 0.5156, 0.4288

Inverse Universe

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



29.3550, 0.2060, 0.2136



29.1148, 0.1893, 0.1847



12.1261, 0.1812, 0.1115



15.0483, 0.2981, 0.3167



10.1369, 0.1764, 0.1550



0.9346, 0.1838, 0.1817

Previews

White Background



This preview shows how the Yxy color 40.5945, 0.4656, 0.4132 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 40.5945, 0.4656, 0.4132 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 40.5945, 0.4656, 0.4132

Background



This preview shows how black text looks on a background with the Yxy color 40.5945, 0.4656, 0.4132.



This preview shows how white text looks on a background with the Yxy color 40.5945, 0.4656, 0.4132.

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

40.5945, 0.4656, 0.4132

Protanopia

40.6375, 0.4083, 0.4459

Deuteranopia

40.8084, 0.4422, 0.4326



Tritanopia

40.4840, 0.3969, 0.3168

Trichromacy



Original Color

40.5945, 0.4656, 0.4132

Protanomaly

40.4252, 0.4293, 0.4341

Deuteranomaly

40.8383, 0.4508, 0.4253

Tritanomaly

40.1786, 0.4258, 0.3543

Monochromacy



Original Color

40.5945, 0.4656, 0.4132

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.9920, 0.3672, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5945, 0.4656, 0.4132 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(231, 154, 74)` looks like.

```
.text, #text, p{  
    color:rgb(231, 154, 74)  
}
```

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(231, 154, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 154, 74) }
```

Border

The CSS property to change the border of an element to Yxy 40.5945, 0.4656, 0.4132 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(231, 154, 74) }
```

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

```
.border{ border-color:rgb(231, 154, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 154, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 154, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 154, 74);  
box-shadow:4px 4px 4px 4px rgb(231, 154,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5945, 0.4656, 0.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 154, 74) }
```

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

```
.background{ background-color: rgb(231,  
154, 74) }
```

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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