

Converting Colors

$Y_{xy}(41.4244, 0.4719, 0.4265)$

Have a look what the booklet for
Yxy(41.4244, 0.4719, 0.4265)
contains.

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Color

Yxy(41.4291, 0.4719, 0.4266)

Conversions

Conversions Part 1

Format	Color
Hex	E79D3C
RGB	231, 157, 60
RGB Percent	91%, 62%, 24%
CMY	0.0941, 0.3843, 0.7647
CMYK	0.00, 0.32, 0.74, 0.09
HSL	34°, 78%, 57%
HSV	34°, 74%, 91%
XYZ	45.8284, 41.4291, 9.8571
YIQ	168.0680, 75.2410, -14.4790

Conversions

Conversions Part 2

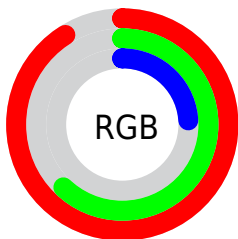
Format	Color
RYB	190, 231, 60
Decimal	15179068
CIELab	70.48, 19.34, 59.29
CIELCh	70, 62.365, 71.939
Yxy	41.4291, 0.4719, 0.4266
Android (android.graphics.Color)	4293369148 (0xFFE79D3C)
YUV	168.0680, -53.2775, 55.1914
Hunter-Lab	64.3654, 14.4530, 35.9759

Details

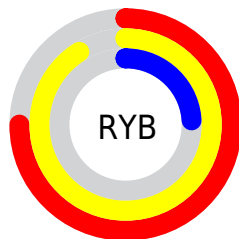
The Yxy color **41.4291, 0.4719, 0.4266** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **23.7828, 0.1946, 0.1866**, and the grayscale version is **39.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5392, 0.4163, 0.4272**, and **18.8541, 0.5045, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **37.9923, 0.4941, 0.4294**, and if you desaturate by 10%, it is **45.2535, 0.4477, 0.4191**.

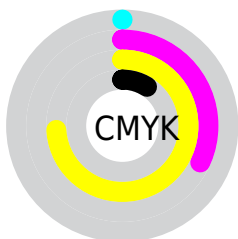
Distribution



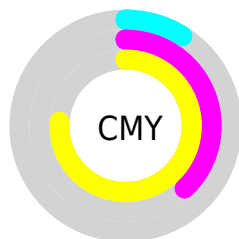
- Red (91%)
- Green (62%)
- Blue (24%)



- Red (75%)
- Yellow (91%)
- Blue (24%)



- Cyan (0%)
- Magenta (32%)
- Yellow (74%)
- Black (9%)




- Cyan (9%)
- Magenta (38%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.4291, 0.4719, 0.4266 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 41.4291, 0.4719, 0.4266 by changing the saturation by 10% instead.


 41.4291, 0.4719,
0.4266

 41.4291, 0.4719,
0.4266

352.1108, 0.3952,
0.3856


 28.6545, 0.4884,
0.4331


 77.3349, 0.4457,
0.4143

 18.8196, 0.5074,
0.4389


 101.2348, 0.4353,
0.4089


 11.5400, 0.5292,
0.4427


 129.6121, 0.4263,
0.4040

 6.4313, 0.5562,
0.4438

 162.8509, 0.4184,
0.3995

 3.1091, 0.5737,
0.4263

 201.3359, 0.4115,
0.3955

 1.1889, 0.6032,
0.3968

245.4512, 0.4054,

 0.0526, 0.9084,

0.3919

0.0916

295.5814, 0.4000,
0.3886

0.0000, 0.0000,
0.0000

41.4291, 0.4719,
0.4266

41.4291, 0.4719,
0.4266

37.9923, 0.4941,
0.4294

45.2535, 0.4477,
0.4191

34.9150, 0.5130,
0.4267


49.4778, 0.4228,
0.4079

33.2314, 0.5229,
0.4230

54.1210, 0.3985,
0.3943


59.1984, 0.3757,
0.3794

64.7245, 0.3547,
0.3641

 70.7127, 0.3358,
0.3490

 77.1758, 0.3189,
0.3346

 84.1261, 0.3040,
0.3210

 90.7155, 0.2981,
0.3209

Harmonies

Analogous

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



41.4291, 0.4899, 0.3625



41.4291, 0.4719, 0.4266



41.4291, 0.4112, 0.4809

Triad

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



41.4291, 0.4719, 0.4266



41.4291, 0.1883, 0.3387



41.4291, 0.2744, 0.2101

Complementary

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



41.4291, 0.4719, 0.4266



23.7828, 0.1946, 0.1866

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.



41.4291, 0.2064, 0.1961



41.4291, 0.4719, 0.4266



41.4291, 0.1628, 0.2552

Square

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



41.4291, 0.4719, 0.4266



41.4291, 0.2476, 0.4380



41.4291, 0.1694, 0.2091



41.4291, 0.3655, 0.2469

Rectangle

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



41.4291, 0.4719, 0.4266



41.4291, 0.3577, 0.4970



41.4291, 0.1694, 0.2091



41.4291, 0.2484, 0.2027

Sweetspot

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



41.4312, 0.4719, 0.4266



82.3755, 0.3509, 0.3612



21.9463, 0.4542, 0.2564



17.2097, 0.3563, 0.3654



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.



41.4312, 0.4719, 0.4266



45.3859, 0.5049, 0.4286



72.6331, 0.4010, 0.4954



15.7181, 0.3278, 0.3423



18.8809, 0.5208, 0.4247



1.5791, 0.5020, 0.4396

Inverse Universe

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



23.7828, 0.1946, 0.1866



22.4567, 0.1782, 0.1538



10.3575, 0.1767, 0.0980



14.9079, 0.2981, 0.3153



8.5768, 0.1713, 0.1366



0.8155, 0.1792, 0.1650

Previews

White Background



This preview shows how the Yxy color 41.4291, 0.4719, 0.4266 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 41.4291, 0.4719, 0.4266 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 41.4291, 0.4719, 0.4266

Background



This preview shows how black text looks on a background with the Yxy color 41.4291, 0.4719, 0.4266.



This preview shows how white text looks on a background with the Yxy color 41.4291, 0.4719, 0.4266.

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

41.4291, 0.4719, 0.4266

Protanopia

41.5948, 0.4191, 0.4604

Deuteranopia

41.4553, 0.4526, 0.4430



Tritanopia

41.3406, 0.3949, 0.3168

Trichromacy



Original Color

41.4291, 0.4719, 0.4266

Protanomaly

41.2617, 0.4385, 0.4473

Deuteranomaly

41.1777, 0.4596, 0.4365

Tritanomaly

41.2005, 0.4291, 0.3619

Monochromacy



Original Color

41.4291, 0.4719, 0.4266

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.2123, 0.3715, 0.3762

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4291, 0.4719, 0.4266 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, 157, 60)` looks like.

```
.text, #text, p{  
    color:rgb(231, 157, 60)  
}
```

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, 157, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 157, 60) }
```

Border

The CSS property to change the border of an element to Yxy 41.4291, 0.4719, 0.4266 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, 157, 60) }
```

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

```
.border{ border-color:rgb(231, 157, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 157, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 157, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 157, 60);  
box-shadow:4px 4px 4px 4px rgb(231, 157,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4291, 0.4719, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 157, 60) }
```

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

```
.background{ background-color: rgb(231,  
157, 60) }
```

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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