

Converting Colors

$Yxy(42.0947, 0.4836, 0.4320)$

Have a look what the booklet for
Yxy(42.0947, 0.4836, 0.4320)
contains.

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Color

Yxy(42.1441, 0.4834, 0.4322)

Conversions

Conversions Part 1

Format	Color
Hex	EC9D2E
RGB	236, 157, 46
RGB Percent	93%, 62%, 18%
CMY	0.0746, 0.3842, 0.8198
CMYK	0.00, 0.33, 0.81, 0.07
HSL	35°, 83%, 55%
HSV	35°, 81%, 93%
XYZ	47.1366, 42.1441, 8.2299
YIQ	167.9670, 82.7150, -17.7730

Conversions

Conversions Part 2

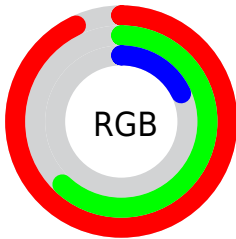
Format	Color
R _Y B	181, 236, 46
Decimal	15506734
CIE Lab	70.97, 20.90, 65.39
CIE LCh	71, 68.645, 72.275
Yxy	42.1441, 0.4834, 0.4322
Android (android.graphics.Color)	4293696814 (0xFFEC9D2E)
YUV	167.9670, -60.1297, 59.6649
Hunter-Lab	64.9185, 15.9997, 37.9266

Details

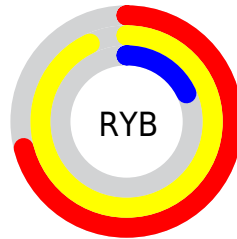
The Yxy color **42.1441, 0.4834, 0.4322** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **21.2809, 0.1856, 0.1675**, and the grayscale version is **39.4104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2866, 0.4234, 0.4370**, and **19.4220, 0.5097, 0.4335** is the 20% darker color. If you saturate the color by 10%, you get **38.8221, 0.5027, 0.4318**, and if you desaturate by 10%, it is **45.8388, 0.4611, 0.4273**.

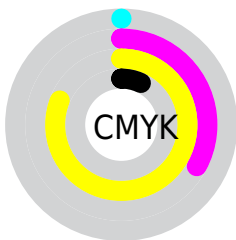
Distribution



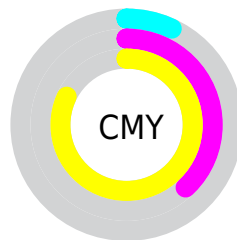
- Red (93%)
- Green (62%)
- Blue (18%)



- Red (71%)
- Yellow (93%)
- Blue (18%)



- Cyan (0%)
- Magenta (33%)
- Yellow (81%)
- Black (7%)




- Cyan (7%)
- Magenta (38%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1441, 0.4834, 0.4322 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 42.1441, 0.4834, 0.4322 by changing the saturation by 10% instead.


 42.1441, 0.4834,
0.4322


 42.1441, 0.4834,
0.4322

355.0799, 0.4028,
0.3908

 29.2141, 0.4999,
0.4379


 78.4177, 0.4565,
0.4204


 19.2429, 0.5184,
0.4423


 102.5301, 0.4456,
0.4150


 11.8459, 0.5408,
0.4454


 131.1387, 0.4360,
0.4100

 6.6388, 0.5607,
0.4393

 164.6281, 0.4277,
0.4054

 3.2373, 0.5791,
0.4209

 203.3825, 0.4203,
0.4012

 1.2568, 0.6095,
0.3905

 247.7863, 0.4138,

 0.1074, 0.8508,

0.3974

0.1492

298.2240, 0.4080,
0.3940

0.0000, 0.0000,
0.0000

42.1441, 0.4834,
0.4322

42.1441, 0.4834,
0.4322

38.8221, 0.5027,
0.4318

45.8388, 0.4611,
0.4273

35.9840, 0.5180,
0.4269

49.9204, 0.4373,
0.4181

54.4093, 0.4131,
0.4055


59.3217, 0.3897,
0.3909

64.6728, 0.3678,
0.3754

 70.4767, 0.3477,
0.3597

 76.7466, 0.3296,
0.3444

 83.4951, 0.3135,
0.3297

 90.5176, 0.3012,
0.3193

Harmonies

Analogous

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



42.1441, 0.5056, 0.3633



42.1441, 0.4834, 0.4322



42.1441, 0.4161, 0.4932

Triad

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



42.1441, 0.4834, 0.4322



42.1441, 0.1775, 0.3373



42.1441, 0.2716, 0.2016

Complementary

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



42.1441, 0.4834, 0.4322



21.2809, 0.1856, 0.1675

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.



42.1441, 0.1986, 0.1863



42.1441, 0.4834, 0.4322



42.1441, 0.1516, 0.2469

Square

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



42.1441, 0.4834, 0.4322



42.1441, 0.2400, 0.4487



42.1441, 0.1592, 0.1990



42.1441, 0.3710, 0.2410

Rectangle

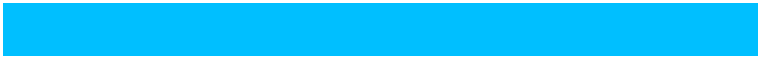
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1441, 0.4834, 0.4322



42.1441, 0.3582, 0.5131



42.1441, 0.1592, 0.1990



42.1441, 0.2435, 0.1937

Sweetspot

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



42.1463, 0.4834, 0.4322



81.5002, 0.3547, 0.3653



21.2639, 0.4788, 0.2593



16.9160, 0.3619, 0.3709



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.



42.1463, 0.4834, 0.4322



43.8039, 0.5139, 0.4284



75.4144, 0.4018, 0.5047



16.5169, 0.3278, 0.3428



20.1003, 0.5160, 0.4285



1.7675, 0.4989, 0.4420

Inverse Universe

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



21.2809, 0.1856, 0.1675



18.5148, 0.1707, 0.1330



9.0227, 0.1687, 0.0841



15.5773, 0.2980, 0.3149



8.4020, 0.1698, 0.1311



0.8456, 0.1773, 0.1583

Previews

White Background



This preview shows how the Yxy color 42.1441, 0.4834, 0.4322 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 42.1441, 0.4834, 0.4322 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 42.1441, 0.4834, 0.4322

Background



This preview shows how black text looks on a background with the Yxy color 42.1441, 0.4834, 0.4322.



This preview shows how white text looks on a background with the Yxy color 42.1441, 0.4834, 0.4322.

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

42.1441, 0.4834, 0.4322

Protanopia

42.1045, 0.4272, 0.4707

Deuteranopia

42.1375, 0.4619, 0.4517



Tritanopia

42.2133, 0.3998, 0.3171

Trichromacy



Original Color

42.1441, 0.4834, 0.4322

Protanomaly

41.9287, 0.4476, 0.4563

Deuteranomaly

42.0226, 0.4700, 0.4447

Tritanomaly

41.9428, 0.4388, 0.3665

Monochromacy



Original Color

42.1441, 0.4834, 0.4322

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.3436, 0.3782, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1441, 0.4834, 0.4322 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(236, 157, 46)` looks like.

```
.text, #text, p{  
    color:rgb(236, 157, 46)  
}
```

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(236, 157, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 157, 46) }
```

Border

The CSS property to change the border of an element to Yxy 42.1441, 0.4834, 0.4322 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(236, 157, 46) }
```

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

```
.border{ border-color:rgb(236, 157, 46) }
```

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

Here you see how a box with a 4 pixel rgb(236, 157, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 157, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 157, 46);  
box-shadow:4px 4px 4px 4px rgb(236, 157,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1441, 0.4834, 0.4322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 157, 46) }
```

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

```
.background{ background-color: rgb(236,  
157, 46) }
```

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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