

Converting Colors

$Y_{xy}(37.7296, 0.5060, 0.4243)$

Have a look what the booklet for
Yxy(37.7296, 0.5060, 0.4243)
contains.

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Color

Yxy(37.7484, 0.5058, 0.4244)

Conversions

Conversions Part 1

Format	Color
Hex	ED8F1F
RGB	237, 143, 31
RGB Percent	93%, 56%, 12%
CMY	0.0707, 0.4391, 0.8786
CMYK	0.00, 0.40, 0.87, 0.07
HSL	33°, 85%, 53%
HSV	33°, 87%, 93%
XYZ	44.9886, 37.7484, 6.2084
YIQ	158.3380, 91.9760, -14.9040

Conversions

Conversions Part 2

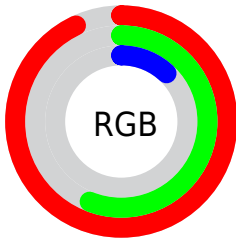
Format	Color
R_{YB}	204, 237, 31
Decimal	15568671
CIE _{Lab}	67.83, 28.31, 67.56
CIE _{LCh}	68, 73.255, 67.267
Yxy	37.7484, 0.5058, 0.4244
Android (android.graphics.Color)	4293758751 (0xFFED8F1F)
YUV	158.3380, -62.7776, 68.9866
Hunter-Lab	61.4397, 23.1851, 37.0167

Details

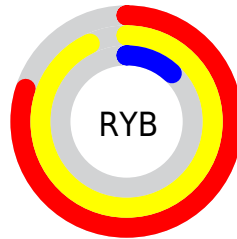
The Yxy color **37.7484, 0.5058, 0.4244** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **21.0498, 0.1822, 0.1655**, and the grayscale version is **34.6133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8971, 0.4412, 0.4337**, and **16.7683, 0.5326, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **34.5768, 0.5246, 0.4195**, and if you desaturate by 10%, it is **41.3276, 0.4832, 0.4238**.

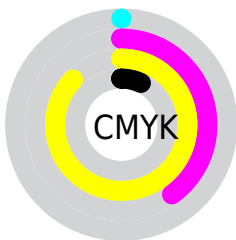
Distribution



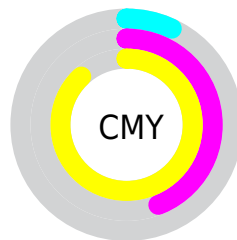
- Red (93%)
- Green (56%)
- Blue (12%)



- Red (80%)
- Yellow (93%)
- Blue (12%)



- Cyan (0%)
- Magenta (40%)
- Yellow (87%)
- Black (7%)




- Cyan (7%)
- Magenta (44%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7484, 0.5058, 0.4244 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 37.7484, 0.5058, 0.4244 by changing the saturation by 10% instead.

 37.7484, 0.5058,
0.4244


 37.7484, 0.5058,
0.4244


336.5394, 0.4136,
0.3894

 25.7875, 0.5245,
0.4274


 71.7223, 0.4750,
0.4158


 16.6647, 0.5454,
0.4278


 94.5041, 0.4625,
0.4112


 9.9957, 0.5731,
0.4269


 121.6617, 0.4516,
0.4069

 5.3961, 0.5910,
0.4090

 153.5794, 0.4420,
0.4028

 2.4815, 0.6181,
0.3819

 190.6416, 0.4336,
0.3990

 0.8674, 0.6636,
0.3364

 233.2328, 0.4262,

 0.0000, 1.0000,

0.3955

0.0000

281.7372, 0.4196,
0.3923

■ 0.0000, 0.0000,
0.0000

■ 37.7484, 0.5058,
0.4244

■ 37.7484, 0.5058,
0.4244

■ 34.5768, 0.5246,
0.4195

■ 41.3276, 0.4832,
0.4238

■ 33.6747, 0.5300,
0.4174

■ 45.3348, 0.4583,
0.4181

■ 49.7937, 0.4324,
0.4083

■ 54.7241, 0.4071,
0.3958

■ 60.1438, 0.3831,
0.3817

66.0697, 0.3611,
0.3670

72.5174, 0.3413,
0.3524

79.5017, 0.3237,
0.3383

87.0369, 0.3082,
0.3250

Harmonies

Analogous

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



37.7484, 0.5221, 0.3507



37.7484, 0.5058, 0.4244



37.7484, 0.4367, 0.4967

Triad

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



37.7484, 0.5058, 0.4244



37.7484, 0.1733, 0.3576



37.7484, 0.2512, 0.1868

Complementary

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



37.7484, 0.5058, 0.4244



21.0498, 0.1822, 0.1655

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.



37.7484, 0.1793, 0.1748



37.7484, 0.5058, 0.4244



37.7484, 0.1405, 0.2506

Square

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



37.7484, 0.5058, 0.4244



37.7484, 0.2459, 0.4815



37.7484, 0.1435, 0.1929



37.7484, 0.3571, 0.2246

Rectangle

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



37.7484, 0.5058, 0.4244



37.7484, 0.3754, 0.5291



37.7484, 0.1435, 0.1929



37.7484, 0.2230, 0.1797

Sweetspot

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



37.7504, 0.5058, 0.4244



78.6436, 0.3594, 0.3658



20.5133, 0.4800, 0.2509



16.2934, 0.3667, 0.3710



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.



37.7504, 0.5058, 0.4244



39.6399, 0.5305, 0.4170



77.4939, 0.4114, 0.5045



16.4118, 0.3279, 0.3418



18.6554, 0.5277, 0.4192



1.6569, 0.5086, 0.4344

Inverse Universe

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



21.0498, 0.1822, 0.1655



19.7789, 0.1722, 0.1400



7.4998, 0.1581, 0.0716



15.6806, 0.2980, 0.3158



9.4591, 0.1733, 0.1437



0.9329, 0.1806, 0.1700

Previews

White Background



This preview shows how the Yxy color 37.7484, 0.5058, 0.4244 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 37.7484, 0.5058, 0.4244 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 37.7484, 0.5058, 0.4244

Background



This preview shows how black text looks on a background with the Yxy color 37.7484, 0.5058, 0.4244.



This preview shows how white text looks on a background with the Yxy color 37.7484, 0.5058, 0.4244.

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

37.7484, 0.5058, 0.4244

Protanopia

37.8451, 0.4314, 0.4771

Deuteranopia

37.7234, 0.4684, 0.4591



Tritanopia

37.6355, 0.4226, 0.3184

Trichromacy



Original Color

37.7484, 0.5058, 0.4244

Protanomaly

37.5542, 0.4592, 0.4573

Deuteranomaly

37.5867, 0.4822, 0.4462

Tritanomaly

37.3759, 0.4638, 0.3666

Monochromacy



Original Color

37.7484, 0.5058, 0.4244

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.5171, 0.3890, 0.3857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7484, 0.5058, 0.4244 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, 143, 31)` looks like.

```
.text, #text, p{  
    color:rgb(237, 143, 31)  
}
```

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, 143, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 143, 31) }
```

Border

The CSS property to change the border of an element to Yxy 37.7484, 0.5058, 0.4244 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, 143, 31) }
```

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

```
.border{ border-color:rgb(237, 143, 31) }
```

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

Here you see how a box with a 4 pixel rgb(237, 143, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 143, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 143, 31);  
box-shadow:4px 4px 4px 4px rgb(237, 143,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7484, 0.5058, 0.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 143, 31) }
```

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

```
.background{ background-color: rgb(237,  
143, 31) }
```

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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