

Converting Colors

$Y_{xy}(37.3035, 0.5077, 0.4202)$

Have a look what the booklet for
Yxy(37.3035, 0.5077, 0.4202)
contains.

Yxy(37.3482, 0.5074, 0.4203)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3482, 0.5074, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	EE8D23
RGB	238, 141, 35
RGB Percent	93%, 55%, 14%
CMY	0.0667, 0.4470, 0.8626
CMYK	0.00, 0.41, 0.85, 0.07
HSL	31°, 86%, 54%
HSV	31°, 85%, 93%
XYZ	45.0880, 37.3482, 6.4246
YIQ	157.9190, 91.8380, -12.4020

Conversions

Conversions Part 2

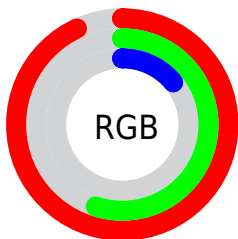
Format	Color
R _Y B	221, 238, 35
Decimal	15633699
CIE Lab	67.54, 29.88, 66.17
CIE LCh	68, 72.600, 65.700
Yxy	37.3482, 0.5074, 0.4203
Android (android.graphics.Color)	4293823779 (0xFFEE8D23)
YUV	157.9190, -60.5991, 70.2310
Hunter-Lab	61.1132, 24.7454, 36.5462

Details

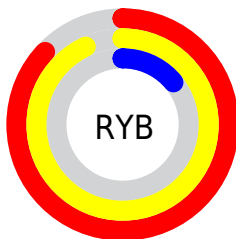
The Yxy color **37.3482, 0.5074, 0.4203** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **23.0387, 0.1854, 0.1752**, and the grayscale version is **34.4050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0455, 0.4409, 0.4297**, and **16.5424, 0.5369, 0.4119** is the 20% darker color. If you saturate the color by 10%, you get **34.0696, 0.5279, 0.4158**, and if you desaturate by 10%, it is **41.0708, 0.4832, 0.4193**.

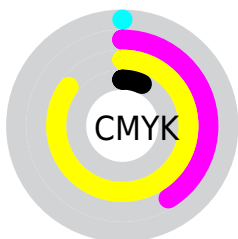
Distribution



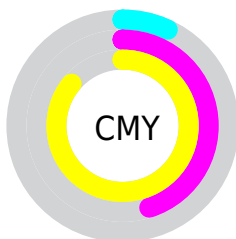
- Red (93%)
- Green (55%)
- Blue (14%)



- Red (87%)
- Yellow (93%)
- Blue (14%)



- Cyan (0%)
- Magenta (41%)
- Yellow (85%)
- Black (7%)





- Cyan (7%)
- Magenta (45%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3482, 0.5074, 0.4203 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 37.3482, 0.5074, 0.4203 by changing the saturation by 10% instead.


 37.3482, 0.5074,
0.4203


 37.3482, 0.5074,
0.4203


334.8156, 0.4138,
0.3871

 25.4772, 0.5267,
0.4229


 71.1080, 0.4759,
0.4122


 16.4329, 0.5484,
0.4230

 93.7656, 0.4632,
0.4080


 9.8310, 0.5780,
0.4220


 120.7875, 0.4521,
0.4038

 5.2871, 0.5969,
0.4031

 152.5581, 0.4425,
0.4000

 2.4167, 0.6255,
0.3745

 189.4618, 0.4340,
0.3963

 0.8344, 0.6736,
0.3264

 231.8830, 0.4264,

 0.0000, 1.0000,

0.3930

0.0000

280.2062, 0.4198,
0.3899

■ 0.0000, 0.0000,
0.0000

■ 37.3482, 0.5074,
0.4203

■ 37.3482, 0.5074,
0.4203

■ 34.0696, 0.5279,
0.4158

■ 41.0708, 0.4832,
0.4193

■ 32.6593, 0.5365,
0.4122

■ 45.2582, 0.4570,
0.4133

■ 49.9354, 0.4302,
0.4035

■ 55.1231, 0.4042,
0.3911

■ 60.8405, 0.3800,
0.3774

67.1054, 0.3580,
0.3632

73.9348, 0.3383,
0.3492

81.3444, 0.3210,
0.3358

89.3497, 0.3058,
0.3231

Harmonies

Analogous

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



37.3482, 0.5200, 0.3471



37.3482, 0.5074, 0.4203



37.3482, 0.4408, 0.4928

Triad

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



37.3482, 0.5074, 0.4203



37.3482, 0.1768, 0.3641



37.3482, 0.2469, 0.1860

Complementary

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



37.3482, 0.5074, 0.4203



23.0387, 0.1854, 0.1752

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.



37.3482, 0.1771, 0.1756



37.3482, 0.5074, 0.4203



37.3482, 0.1420, 0.2554

Square

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



37.3482, 0.5074, 0.4203



37.3482, 0.2510, 0.4857



37.3482, 0.1432, 0.1954



37.3482, 0.3509, 0.2226

Rectangle

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



37.3482, 0.5074, 0.4203



37.3482, 0.3803, 0.5265



37.3482, 0.1432, 0.1954



37.3482, 0.2194, 0.1795

Sweetspot

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



37.3502, 0.5074, 0.4203



77.8665, 0.3597, 0.3644



21.0776, 0.4697, 0.2469



16.1095, 0.3672, 0.3693



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.



37.3502, 0.5074, 0.4203



38.0750, 0.5370, 0.4118



78.8657, 0.4134, 0.5015



17.1246, 0.3280, 0.3413



18.4821, 0.5342, 0.4141



1.7368, 0.5149, 0.4293

Inverse Universe

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



23.0387, 0.1854, 0.1752



21.1033, 0.1742, 0.1471



7.7967, 0.1587, 0.0735



16.4749, 0.2980, 0.3163



10.3800, 0.1752, 0.1505



1.0616, 0.1820, 0.1750

Previews

White Background



This preview shows how the Yxy color 37.3482, 0.5074, 0.4203 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 37.3482, 0.5074, 0.4203 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 37.3482, 0.5074, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 37.3482, 0.5074, 0.4203.



This preview shows how white text looks on a background with the Yxy color 37.3482, 0.5074, 0.4203.

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

37.3482, 0.5074, 0.4203

Protanopia

37.3847, 0.4299, 0.4746

Deuteranopia

37.2614, 0.4673, 0.4571



Tritanopia

37.4803, 0.4264, 0.3195

Trichromacy



Original Color

37.3482, 0.5074, 0.4203

Protanomaly

36.7608, 0.4589, 0.4540

Deuteranomaly

37.2820, 0.4821, 0.4438

Tritanomaly

36.9880, 0.4662, 0.3643

Monochromacy



Original Color

37.3482, 0.5074, 0.4203

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.2135, 0.3885, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3482, 0.5074, 0.4203 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(238, 141, 35)` looks like.

```
.text, #text, p{  
    color:rgb(238, 141, 35)  
}
```

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(238, 141, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 141, 35) }
```

Border

The CSS property to change the border of an element to Yxy 37.3482, 0.5074, 0.4203 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(238, 141, 35) }
```

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

```
.border{ border-color:rgb(238, 141, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 141, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 141, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 141, 35);  
box-shadow:4px 4px 4px 4px rgb(238, 141,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3482, 0.5074, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 141, 35) }
```

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

```
.background{ background-color: rgb(238,  
141, 35) }
```

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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