

Converting Colors

Yxy(36.6442, 0.5082, 0.4252)

Have a look what the booklet for
Yxy(36.6442, 0.5082, 0.4252)
contains.

Yxy(36.7865, 0.5082, 0.4252)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.7865, 0.5082, 0.4252)

Conversions

Conversions Part 1

Format	Color
Hex	EB8D1A
RGB	235, 141, 26
RGB Percent	92%, 55%, 10%
CMY	0.0785, 0.4470, 0.8979
CMYK	0.00, 0.40, 0.89, 0.08
HSL	33°, 84%, 51%
HSV	33°, 89%, 92%
XYZ	43.9673, 36.7865, 5.7619
YIQ	155.9960, 92.9390, -15.8370

Conversions

Conversions Part 2

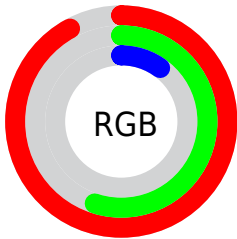
Format	Color
R _Y B	197, 235, 26
Decimal	15437082
CIE Lab	67.12, 28.43, 68.22
CIE LCh	67, 73.905, 67.374
Yxy	36.7865, 0.5082, 0.4252
Android (android.graphics.Color)	4293627162 (0xFFEB8D1A)
YUV	155.9960, -64.0880, 69.2865
Hunter-Lab	60.6519, 23.2561, 36.8237

Details

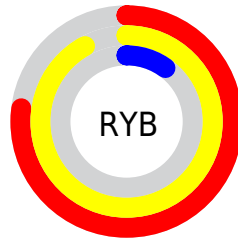
The Yxy color **36.7865, 0.5082, 0.4252** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **19.6475, 0.1800, 0.1598**, and the grayscale version is **33.5076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9461, 0.4444, 0.4341**, and **16.1966, 0.5341, 0.4141** is the 20% darker color. If you saturate the color by 10%, you get **33.7498, 0.5261, 0.4197**, and if you desaturate by 10%, it is **40.2067, 0.4866, 0.4255**.

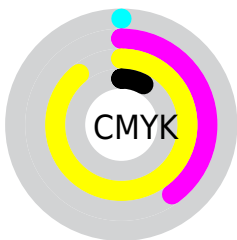
Distribution



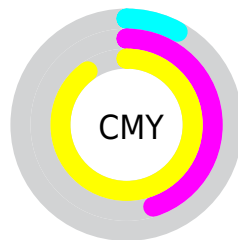
- Red (92%)
- Green (55%)
- Blue (10%)



- Red (77%)
- Yellow (92%)
- Blue (10%)



- Cyan (0%)
- Magenta (40%)
- Yellow (89%)
- Black (8%)





- Cyan (8%)
- Magenta (45%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7865, 0.5082, 0.4252 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 36.7865, 0.5082, 0.4252 by changing the saturation by 10% instead.


 36.7865, 0.5082,
0.4252


 36.7865, 0.5082,
0.4252


332.3853, 0.4148,
0.3901

 25.0422, 0.5271,
0.4279


 70.2443, 0.4771,
0.4167


 16.1085, 0.5480,
0.4279


 92.7266, 0.4644,
0.4122


 9.6010, 0.5745,
0.4255


 119.5571, 0.4534,
0.4079

 5.1352, 0.5930,
0.4070

 151.1201, 0.4437,
0.4037

 2.3268, 0.6211,
0.3789

 187.8000, 0.4351,
0.3999

 0.7878, 0.6697,
0.3303

 229.9812, 0.4276,

 0.0000, 1.0000,

0.3964

0.0000

278.0482, 0.4209,
0.3931

■ 0.0000, 0.0000,
0.0000

■ 36.7865, 0.5082,
0.4252

■ 36.7865, 0.5082,
0.4252

■ 33.7498, 0.5261,
0.4197

■ 40.2067, 0.4866,
0.4255


■ 33.4415, 0.5280,
0.4190


■ 44.0340, 0.4623,
0.4206


■ 48.2918, 0.4369,
0.4114

■ 52.9996, 0.4115,
0.3992

■ 58.1748, 0.3874,
0.3852

 63.8337, 0.3651,
0.3704

 69.9915, 0.3450,
0.3556

 76.6628, 0.3270,
0.3412

 83.8612, 0.3111,
0.3276

Harmonies

Analogous

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



36.7865, 0.5256, 0.3507



36.7865, 0.5082, 0.4252



36.7865, 0.4376, 0.4990

Triad

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



36.7865, 0.5082, 0.4252



36.7865, 0.1710, 0.3574



36.7865, 0.2505, 0.1850

Complementary

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



36.7865, 0.5082, 0.4252



19.6475, 0.1800, 0.1598

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.



36.7865, 0.1776, 0.1728



36.7865, 0.5082, 0.4252



36.7865, 0.1382, 0.2487

Square

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



36.7865, 0.5082, 0.4252



36.7865, 0.2442, 0.4842



36.7865, 0.1415, 0.1907



36.7865, 0.3581, 0.2233

Rectangle

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



36.7865, 0.5082, 0.4252



36.7865, 0.3753, 0.5324



36.7865, 0.1415, 0.1907



36.7865, 0.2219, 0.1779

Sweetspot

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



36.7884, 0.5082, 0.4252



78.1441, 0.3613, 0.3677



19.7560, 0.4914, 0.2553



16.2037, 0.3686, 0.3728



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.



36.7884, 0.5082, 0.4252



40.1132, 0.5286, 0.4185



75.4110, 0.4093, 0.5077



16.4283, 0.3279, 0.3420



18.8744, 0.5258, 0.4207



1.6738, 0.5070, 0.4356

Inverse Universe

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



19.6475, 0.1800, 0.1598



19.4060, 0.1717, 0.1380



7.1208, 0.1574, 0.0696



15.6643, 0.2980, 0.3157



9.2849, 0.1727, 0.1417



0.9187, 0.1801, 0.1682

Previews

White Background



This preview shows how the Yxy color 36.7865, 0.5082, 0.4252 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 36.7865, 0.5082, 0.4252 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 36.7865, 0.5082, 0.4252

Background



This preview shows how black text looks on a background with the Yxy color 36.7865, 0.5082, 0.4252.



This preview shows how white text looks on a background with the Yxy color 36.7865, 0.5082, 0.4252.

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

36.7865, 0.5082, 0.4252

Protanopia

36.8456, 0.4332, 0.4793

Deuteranopia

36.7322, 0.4708, 0.4610



Tritanopia

36.6810, 0.4240, 0.3183

Trichromacy



Original Color

36.7865, 0.5082, 0.4252

Protanomaly

36.5672, 0.4613, 0.4590

Deuteranomaly

36.6018, 0.4850, 0.4481

Tritanomaly

36.4059, 0.4665, 0.3678

Monochromacy



Original Color

36.7865, 0.5082, 0.4252

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.5516, 0.3909, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7865, 0.5082, 0.4252 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(235, 141, 26)` looks like.

```
.text, #text, p{  
    color:rgb(235, 141, 26)  
}
```

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(235, 141, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 141, 26) }
```

Border

The CSS property to change the border of an element to Yxy 36.7865, 0.5082, 0.4252 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(235, 141, 26) }
```

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

```
.border{ border-color:rgb(235, 141, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 141, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 141, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 141, 26);  
box-shadow:4px 4px 4px 4px rgb(235, 141,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7865, 0.5082, 0.4252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 141, 26) }
```

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

```
.background{ background-color: rgb(235,  
141, 26) }
```

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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