

Converting Colors

Yxy(33.9249, 0.5297, 0.4116)

Have a look what the booklet for
Yxy(33.9249, 0.5297, 0.4116)
contains.

Yxy(34.0073, 0.5298, 0.4117)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.0073, 0.5298, 0.4117)

Conversions

Conversions Part 1

Format	Color
Hex	F08012
RGB	240, 128, 18
RGB Percent	94%, 50%, 7%
CMY	0.0588, 0.4980, 0.9292
CMYK	0.00, 0.47, 0.92, 0.06
HSL	30°, 88%, 51%
HSV	30°, 92%, 94%
XYZ	43.7626, 34.0073, 4.8322
YIQ	148.9480, 102.0620, -10.4660

Conversions

Conversions Part 2

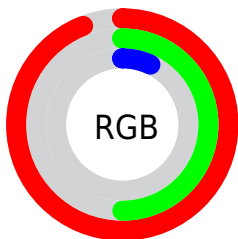
Format	Color
R_{YB}	240, 236, 18
Decimal	15761426
CIE _{Lab}	64.97, 37.09, 68.79
CIE _{LCh}	65, 78.153, 61.667
Yxy	34.0073, 0.5298, 0.4117
Android (android.graphics.Color)	4293951506 (0xFFFF08012)
YUV	148.9480, -64.5574, 79.8526
Hunter-Lab	58.3158, 31.9013, 35.9081

Details

The Yxy color **34.0073, 0.5298, 0.4117** 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 **22.3978, 0.1818, 0.1699**, and the grayscale version is **30.2811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2804, 0.4582, 0.4266**, and **14.6549, 0.5591, 0.3942** is the 20% darker color. If you saturate the color by 10%, you get **31.6931, 0.5445, 0.4059**, and if you desaturate by 10%, it is **37.4831, 0.5069, 0.4153**.

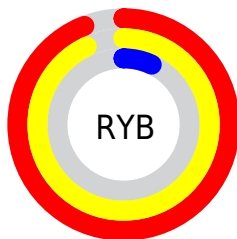
Distribution



Red (94%)

Green (50%)

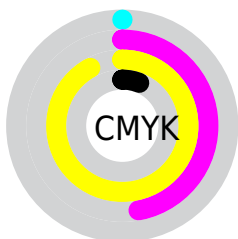
Blue (7%)



Red (94%)

Yellow (93%)

Blue (7%)

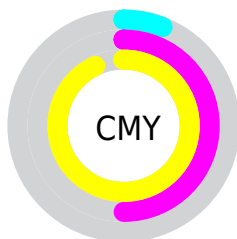


Cyan (0%)

Magenta (47%)

Yellow (92%)

Black (6%)



Cyan (6%)

Magenta (50%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0073, 0.5298, 0.4117 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 34.0073, 0.5298, 0.4117 by changing the saturation by 10% instead.


 34.0073, 0.5298,
0.4117


 34.0073, 0.5298,
0.4117


320.1646, 0.4249,
0.3858

 22.8992, 0.5511,
0.4113


 65.9450, 0.4947,
0.4072


 14.5191, 0.5754,
0.4074


 87.5434, 0.4804,
0.4040

 8.4826, 0.6028,
0.3972


 113.4074, 0.4680,
0.4007

 4.4053, 0.6274,
0.3726

 143.9214, 0.4571,
0.3974

 1.9027, 0.6648,
0.3352

 179.4697, 0.4476,
0.3942


 0.5500, 0.7412,
0.2588

 220.4367, 0.4391,

 0.0000, 1.0000,

0.3912


0.0000


 267.2069, 0.4316,
0.3884

 0.0000, 0.0000,
0.0000


 34.0073, 0.5298,
0.4117

 34.0073, 0.5298,
0.4117

 31.6931, 0.5445,
0.4059

 37.4831, 0.5069,
0.4153

 41.4495, 0.4806,
0.4134

 45.9361, 0.4527,
0.4068

 50.9678, 0.4250,
0.3968

 56.5669, 0.3986,
0.3846

■ 62.7542, 0.3743,
0.3713

■ 69.5493, 0.3526,
0.3578

■ 76.9706, 0.3334,
0.3446

■ 85.0356, 0.3165,
0.3320

Harmonies

Analogous

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



34.0073, 0.5370, 0.3347



34.0073, 0.5298, 0.4117



34.0073, 0.4602, 0.4938

Triad

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



34.0073, 0.5298, 0.4117



34.0073, 0.1718, 0.3865



34.0073, 0.2275, 0.1715

Complementary

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



34.0073, 0.5298, 0.4117



22.3978, 0.1818, 0.1699

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.



34.0073, 0.1589, 0.1639



34.0073, 0.5298, 0.4117



34.0073, 0.1305, 0.2589

Square

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



34.0073, 0.5298, 0.4117



34.0073, 0.2558, 0.5200



34.0073, 0.1280, 0.1887



34.0073, 0.3370, 0.2067

Rectangle

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



34.0073, 0.5298, 0.4117



34.0073, 0.3958, 0.5394



34.0073, 0.1280, 0.1887



34.0073, 0.2000, 0.1658

Sweetspot

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



34.0091, 0.5298, 0.4117



75.3526, 0.3645, 0.3654



20.6448, 0.4751, 0.2430



15.4241, 0.3742, 0.3712



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.



34.0091, 0.5298, 0.4117



36.2663, 0.5450, 0.4055



78.7291, 0.4208, 0.5010



17.0523, 0.3281, 0.3407



17.6160, 0.5420, 0.4079



1.6643, 0.5215, 0.4241

Inverse Universe

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



22.3978, 0.1818, 0.1699



22.8337, 0.1767, 0.1560



6.9849, 0.1532, 0.0658



16.5470, 0.2980, 0.3170



11.2100, 0.1776, 0.1594



1.1317, 0.1842, 0.1830

Previews

White Background



This preview shows how the Yxy color 34.0073, 0.5298, 0.4117 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 34.0073, 0.5298, 0.4117 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 34.0073, 0.5298, 0.4117

Background



This preview shows how black text looks on a background with the Yxy color 34.0073, 0.5298, 0.4117.



This preview shows how white text looks on a background with the Yxy color 34.0073, 0.5298, 0.4117.

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

34.0073, 0.5298, 0.4117

Protanopia

34.3404, 0.4340, 0.4814

Deuteranopia

34.0921, 0.4720, 0.4634



Tritanopia

33.9591, 0.4511, 0.3209

Trichromacy



Original Color

34.0073, 0.5298, 0.4117

Protanomaly

33.6633, 0.4706, 0.4547

Deuteranomaly

33.8084, 0.4947, 0.4432

Tritanomaly

33.6619, 0.4939, 0.3643

Monochromacy



Original Color

34.0073, 0.5298, 0.4117

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.9344, 0.4019, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0073, 0.5298, 0.4117 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(240, 128, 18)` looks like.

```
.text, #text, p{  
    color:rgb(240, 128, 18)  
}
```

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(240, 128, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 128, 18) }
```

Border

The CSS property to change the border of an element to Yxy 34.0073, 0.5298, 0.4117 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(240, 128, 18) }
```

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

```
.border{ border-color:rgb(240, 128, 18) }
```

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

Here you see how a box with a 4 pixel rgb(240, 128, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 128, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 128, 18);  
box-shadow:4px 4px 4px 4px rgb(240, 128,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0073, 0.5298, 0.4117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 128, 18) }
```

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

```
.background{ background-color: rgb(240,  
128, 18) }
```

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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