

Converting Colors

$Y_{xy}(38.9850, 0.5304, 0.4120)$

Have a look what the booklet for
Yxy(38.9850, 0.5304, 0.4120)
contains.

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Color

Yxy(38.9120, 0.5307, 0.4117)

Conversions

Conversions Part 1

Format	Color
Hex	FF8812
RGB	255, 136, 18
RGB Percent	100%, 53%, 7%
CMY	0.0000, 0.4667, 0.9290
CMYK	0.00, 0.47, 0.93, 0.00
HSL	30°, 100%, 54%
HSV	30°, 93%, 100%
XYZ	50.1593, 38.9120, 5.4441
YIQ	158.1290, 108.8020, -11.4700

Conversions

Conversions Part 2

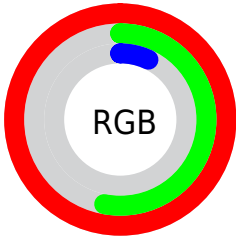
Format	Color
R _Y B	255, 253, 18
Decimal	16746514
CIE Lab	68.69, 39.02, 72.33
CIE LCh	69, 82.188, 61.653
Yxy	38.9120, 0.5307, 0.4117
Android (android.graphics.Color)	4294936594 (0xFFFF8812)
YUV	158.1290, -69.0836, 84.9559
Hunter-Lab	62.3795, 34.3677, 38.4912

Details

The Yxy color **38.9120, 0.5307, 0.4117** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **25.2763, 0.1811, 0.1678**, and the grayscale version is **34.5403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6810, 0.4505, 0.4324**, and **17.4170, 0.5586, 0.3946** is the 20% darker color. If you saturate the color by 10%, you get **36.4108, 0.5443, 0.4060**, and if you desaturate by 10%, it is **42.8721, 0.5081, 0.4157**.

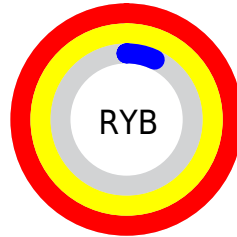
Distribution



Red (100%)

Green (53%)

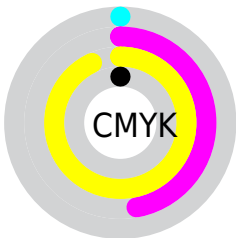
Blue (7%)



Red (100%)

Yellow (99%)

Blue (7%)

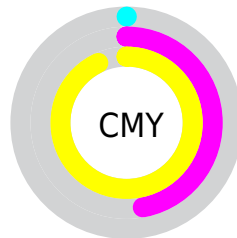


Cyan (0%)

Magenta (47%)

Yellow (93%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9120, 0.5307, 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 38.9120, 0.5307, 0.4117 by changing the saturation by 10% instead.


 38.9120, 0.5307,
0.4117


 38.9120, 0.5307,
0.4117


341.5162, 0.4281,
0.3870


 26.6913, 0.5510,
0.4113


 73.5039, 0.4969,
0.4076


 17.3415, 0.5736,
0.4074


 96.6438, 0.4830,
0.4046


 10.4783, 0.6008,
0.3992


 124.1923, 0.4709,
0.4014

 5.7172, 0.6231,
0.3769

 156.5336, 0.4602,
0.3983

 2.6739, 0.6559,
0.3441

 194.0523, 0.4507,
0.3952

 0.9640, 0.7082,
0.2918

 237.1327, 0.4423,

 0.0000, 1.0000,

0.3923

0.0000

286.1592, 0.4348,
0.3896

0.0000, 0.0000,
0.0000

38.9120, 0.5307,
0.4117

38.9120, 0.5307,
0.4117

36.4108, 0.5443,
0.4060

42.8721, 0.5081,
0.4157


47.3965, 0.4820,
0.4141

52.5164, 0.4542,
0.4077


58.2602, 0.4264,
0.3977

64.6542, 0.3999,
0.3855

 71.7222, 0.3755,
0.3722

 79.4869, 0.3536,
0.3586

 87.9694, 0.3342,
0.3452

 97.1900, 0.3172,
0.3325

Harmonies

Analogous

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



38.9120, 0.5381, 0.3345



38.9120, 0.5307, 0.4117



38.9120, 0.4607, 0.4943

Triad

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



38.9120, 0.5307, 0.4117



38.9120, 0.1711, 0.3868



38.9120, 0.2270, 0.1709

Complementary

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



38.9120, 0.5307, 0.4117



25.2763, 0.1811, 0.1678

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.



38.9120, 0.1583, 0.1633



38.9120, 0.5307, 0.4117



38.9120, 0.1298, 0.2585

Square

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



38.9120, 0.5307, 0.4117



38.9120, 0.2554, 0.5213



38.9120, 0.1273, 0.1880



38.9120, 0.3370, 0.2062

Rectangle

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



38.9120, 0.5307, 0.4117



38.9120, 0.3959, 0.5403



38.9120, 0.1273, 0.1880



38.9120, 0.1994, 0.1651

Sweetspot

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



38.9106, 0.5307, 0.4117



75.4347, 0.3645, 0.3655



23.6049, 0.4768, 0.2434



15.4437, 0.3742, 0.3714



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.



38.9106, 0.5307, 0.4117



36.4108, 0.5443, 0.4060



90.3309, 0.4210, 0.5013



19.4803, 0.3282, 0.3408



19.3237, 0.5418, 0.4080



2.0998, 0.5241, 0.4221

Inverse Universe

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



25.2763, 0.1811, 0.1678



22.6866, 0.1765, 0.1553



7.9261, 0.1528, 0.0651



18.8858, 0.2979, 0.3169



12.1532, 0.1773, 0.1582



1.4018, 0.1830, 0.1787

Previews

White Background



This preview shows how the Yxy color 38.9120, 0.5307, 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 38.9120, 0.5307, 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 38.9120, 0.5307, 0.4117

Background



This preview shows how black text looks on a background with the Yxy color 38.9120, 0.5307, 0.4117.



This preview shows how white text looks on a background with the Yxy color 38.9120, 0.5307, 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

38.9120, 0.5307, 0.4117

Protanopia

38.9079, 0.4353, 0.4812

Deuteranopia

38.7933, 0.4723, 0.4632



Tritanopia

38.7955, 0.4430, 0.3202

Trichromacy



Original Color

38.9120, 0.5307, 0.4117

Protanomaly

37.9890, 0.4724, 0.4544

Deuteranomaly

38.6425, 0.4947, 0.4435

Tritanomaly

38.5707, 0.4887, 0.3659

Monochromacy



Original Color

38.9120, 0.5307, 0.4117

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.2117, 0.4022, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9120, 0.5307, 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(255, 136, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 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(255, 136, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 18) }
```

Border

The CSS property to change the border of an element to Yxy 38.9120, 0.5307, 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(255, 136, 18) }
```

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

```
.border{ border-color:rgb(255, 136, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9120, 0.5307, 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(255, 136, 18) }
```

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

```
.background{ background-color: rgb(255,  
136, 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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