

Converting Colors

$Y_{xy}(37.7420, 0.5309, 0.4145)$

Have a look what the booklet for
Yxy(37.7420, 0.5309, 0.4145)
contains.

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Color

Yxy(37.8547, 0.5310, 0.4145)

Conversions

Conversions Part 1

Format	Color
Hex	FB8708
RGB	251, 135, 8
RGB Percent	98%, 53%, 3%
CMY	0.0156, 0.4706, 0.9690
CMYK	0.00, 0.46, 0.97, 0.02
HSL	31°, 97%, 51%
HSV	31°, 97%, 98%
XYZ	48.4942, 37.8547, 4.9773
YIQ	155.2060, 109.9030, -14.9050

Conversions

Conversions Part 2

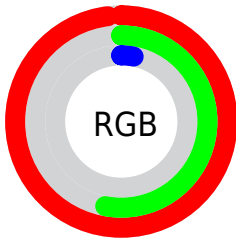
Format	Color
R _Y B	230, 251, 8
Decimal	16484104
CIE Lab	67.91, 37.84, 73.17
CIE LCh	68, 82.372, 62.654
Yxy	37.8547, 0.5310, 0.4145
Android (android.graphics.Color)	4294674184 (0xFFFB8708)
YUV	155.2060, -72.5726, 84.0113
Hunter-Lab	61.5262, 33.0208, 38.2719

Details

The Yxy color **37.8547, 0.5310, 0.4145** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **21.4093, 0.1762, 0.1527**, and the grayscale version is **33.1620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1910, 0.4535, 0.4342**, and **16.7513, 0.5572, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **36.8062, 0.5367, 0.4121**, and if you desaturate by 10%, it is **41.4819, 0.5113, 0.4200**.

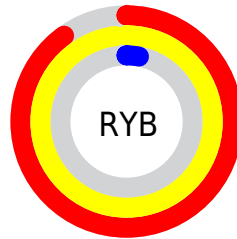
Distribution



Red (98%)

Green (53%)

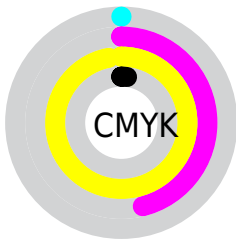
Blue (3%)



Red (90%)

Yellow (98%)

Blue (3%)

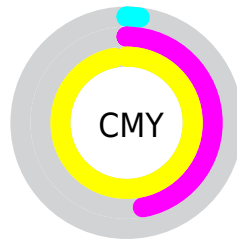


Cyan (0%)

Magenta (46%)

Yellow (97%)

Black (2%)



Cyan (2%)

Magenta (47%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8547, 0.5310, 0.4145 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 37.8547, 0.5310, 0.4145 by changing the saturation by 10% instead.

 37.8547, 0.5310,
0.4145


 37.8547, 0.5310,
0.4145


336.9963, 0.4283,
0.3888


 25.8699, 0.5511,
0.4141


 71.8854, 0.4973,
0.4102


 16.7264, 0.5736,
0.4102

 94.7001, 0.4834,
0.4071

 10.0396, 0.5991,
0.4009


 121.8936, 0.4713,
0.4038

 5.4252, 0.6215,
0.3785

 153.8502, 0.4605,
0.4005

 2.4988, 0.6547,
0.3453

 190.9544, 0.4510,
0.3973


 0.8761, 0.7083,
0.2917


 233.5905, 0.4426,

 0.0000, 1.0000,


0.3943


0.0000


 282.1430, 0.4351,
0.3914


 0.0000, 0.0000,
0.0000


 37.8547, 0.5310,
0.4145

 37.8547, 0.5310,
0.4145


 36.8062, 0.5367,
0.4121

 41.4819, 0.5113,
0.4200

 45.5992, 0.4876,
0.4200

 50.2401, 0.4616,
0.4148

 55.4314, 0.4347,
0.4055

 61.1971, 0.4085,
0.3935

67.5593, 0.3839,
0.3798

74.5385, 0.3615,
0.3656

82.1539, 0.3414,
0.3515

90.4238, 0.3236,
0.3379

Harmonies

Analogous

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



37.8547, 0.5415, 0.3366



37.8547, 0.5310, 0.4145



37.8547, 0.4585, 0.4980

Triad

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



37.8547, 0.5310, 0.4145



37.8547, 0.1675, 0.3823



37.8547, 0.2292, 0.1703

Complementary

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



37.8547, 0.5310, 0.4145



21.4093, 0.1762, 0.1527

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.



37.8547, 0.1586, 0.1617



37.8547, 0.5310, 0.4145



37.8547, 0.1276, 0.2542

Square

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



37.8547, 0.5310, 0.4145



37.8547, 0.2512, 0.5206



37.8547, 0.1264, 0.1852



37.8547, 0.3414, 0.2067

Rectangle

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



37.8547, 0.5310, 0.4145



37.8547, 0.3926, 0.5441



37.8547, 0.1264, 0.1852



37.8547, 0.2009, 0.1643

Sweetspot

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



37.8567, 0.5310, 0.4145



75.6335, 0.3661, 0.3687



22.1738, 0.4995, 0.2540



15.5236, 0.3757, 0.3748



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.



37.8567, 0.5310, 0.4145



38.1220, 0.5368, 0.4120



88.7854, 0.4160, 0.5068



18.7269, 0.3281, 0.3414



19.6388, 0.5342, 0.4140



2.0313, 0.5168, 0.4279

Inverse Universe

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



21.4093, 0.1762, 0.1527



21.0614, 0.1741, 0.1469



7.2150, 0.1514, 0.0619



18.0095, 0.2980, 0.3163



10.9811, 0.1750, 0.1500



1.2278, 0.1812, 0.1722

Previews

White Background



This preview shows how the Yxy color 37.8547, 0.5310, 0.4145 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 37.8547, 0.5310, 0.4145 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 37.8547, 0.5310, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 37.8547, 0.5310, 0.4145.



This preview shows how white text looks on a background with the Yxy color 37.8547, 0.5310, 0.4145.

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

37.8547, 0.5310, 0.4145

Protanopia

37.8952, 0.4370, 0.4831

Deuteranopia

37.8156, 0.4728, 0.4628



Tritanopia

37.9310, 0.4481, 0.3202

Trichromacy



Original Color

37.8547, 0.5310, 0.4145

Protanomaly

37.1848, 0.4725, 0.4575

Deuteranomaly

37.5090, 0.4952, 0.4442

Tritanomaly

37.4926, 0.4951, 0.3674

Monochromacy



Original Color

37.8547, 0.5310, 0.4145

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.0863, 0.4052, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8547, 0.5310, 0.4145 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(251, 135, 8)` looks like.

```
.text, #text, p{  
    color:rgb(251, 135, 8)  
}
```

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(251, 135, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 135, 8) }
```

Border

The CSS property to change the border of an element to Yxy 37.8547, 0.5310, 0.4145 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(251, 135, 8) }
```

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

```
.border{ border-color:rgb(251, 135, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 135, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 135, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 135, 8);  
box-shadow:4px 4px 4px 4px rgb(251, 135,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8547, 0.5310, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 135, 8) }
```

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

```
.background{ background-color: rgb(251,  
135, 8) }
```

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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