

Converting Colors

$Y_{xy}(53.2277, 0.5712, 0.3801)$

Have a look what the booklet for
Yxy(53.2277, 0.5712, 0.3801)
contains.

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Color

Yxy(37.5505, 0.5354, 0.4062)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF8316 |
| RGB | 255, 131, 22 |
| RGB Percent | 100%, 51%, 9% |
| CMY | 0.0001, 0.4862, 0.9137 |
| CMYK | 0.00, 0.49, 0.91, 0.00 |
| HSL | 28°, 100%, 54% |
| HSV | 28°, 91%, 100% |
| XYZ | 49.4942, 37.5505, 5.3987 |
| YIQ | 155.6500, 108.8930, -7.6110 |

Conversions

Conversions Part 2

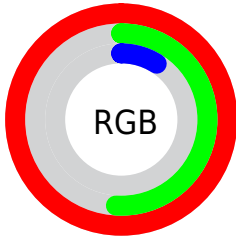
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 255, 227, 22 |
| Decimal | 16745238 |
| CIE Lab | 67.69, 41.54, 70.81 |
| CIE LCh | 68, 82.098, 59.606 |
| Yxy | 37.5505, 0.5354, 0.4062 |
| Android (android.graphics.Color) | 4294935318 (0xFFFF8316) |
| YUV | 155.6500, -65.8894, 87.1299 |
| Hunter-Lab | 61.2785, 36.9359, 37.6714 |

Details

The Yxy color **37.5505, 0.5354, 0.4062** 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 **27.9342, 0.1848, 0.1802**, and the grayscale version is **33.3479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5671, 0.4540, 0.4272**, and **16.6683, 0.5662, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **34.5237, 0.5532, 0.3990**, and if you desaturate by 10%, it is **41.5907, 0.5108, 0.4100**.

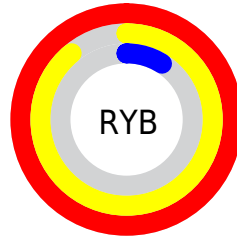
Distribution



Red (100%)

Green (51%)

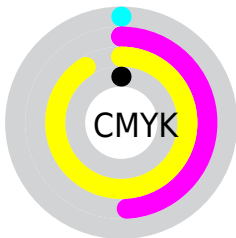
Blue (9%)



Red (100%)

Yellow (89%)

Blue (9%)

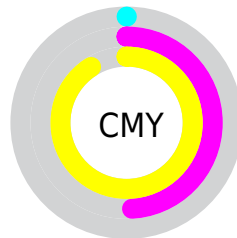


Cyan (0%)

Magenta (49%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5505, 0.5354, 0.4062 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 37.5505, 0.5354, 0.4062 by changing the saturation by 10% instead.


 37.5505, 0.5354,
0.4062


 37.5505, 0.5354,
0.4062


335.6878, 0.4295,
0.3843

 25.6340, 0.5567,
0.4051


 71.4186, 0.5002,
0.4031

 16.5500, 0.5805,
0.4002


 94.1391, 0.4859,
0.4005


 9.9142, 0.6093,
0.3907


 121.2296, 0.4733,
0.3976

 5.3421, 0.6335,
0.3665

 153.0747, 0.4623,
0.3948

 2.4494, 0.6691,
0.3309

 190.0586, 0.4526,
0.3919

 0.8511, 0.7259,
0.2741

 232.5659, 0.4440,

 0.0000, 1.0000,

0.3892

0.0000

280.9808, 0.4363,
0.3867

■ 0.0000, 0.0000,
0.0000

■ 37.5505, 0.5354,
0.4062

■ 37.5505, 0.5354,
0.4062

■ 34.5237, 0.5532,
0.3990


■ 41.5907, 0.5108,
0.4100

■ 46.2437, 0.4828,
0.4082


■ 51.5464, 0.4534,
0.4019

■ 57.5295, 0.4245,
0.3922

■ 64.2212, 0.3974,
0.3804

 71.6479, 0.3727,
0.3678

 79.8340, 0.3508,
0.3549

 88.8028, 0.3316,
0.3424

 98.5766, 0.3148,
0.3306

Harmonies

Analogous

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



37.5505, 0.5377, 0.3291



37.5505, 0.5354, 0.4062



37.5505, 0.4676, 0.4897

Triad

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



37.5505, 0.5354, 0.4062



37.5505, 0.1742, 0.3978



37.5505, 0.2201, 0.1682

Complementary

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



37.5505, 0.5354, 0.4062



27.9342, 0.1848, 0.1802

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.



37.5505, 0.1538, 0.1626



37.5505, 0.5354, 0.4062



37.5505, 0.1298, 0.2646

Square

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



37.5505, 0.5354, 0.4062



37.5505, 0.2615, 0.5301



37.5505, 0.1250, 0.1899



37.5505, 0.3285, 0.2019

Rectangle

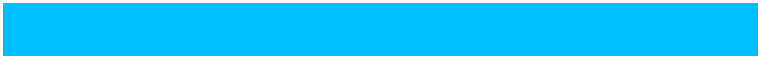
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.5505, 0.5354, 0.4062



37.5505, 0.4031, 0.5383



37.5505, 0.1250, 0.1899



37.5505, 0.1933, 0.1631

Sweetspot

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



37.5526, 0.5354, 0.4062



75.1456, 0.3628, 0.3621



23.9126, 0.4668, 0.2389



15.4991, 0.3705, 0.3665



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.



37.5526, 0.5354, 0.4062



34.5316, 0.5532, 0.3990



87.9619, 0.4233, 0.4985



19.3885, 0.3283, 0.3402



18.3363, 0.5505, 0.4011



2.0017, 0.5317, 0.4160

Inverse Universe

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



27.9342, 0.1848, 0.1802



24.7363, 0.1793, 0.1654



8.3063, 0.1540, 0.0679



18.9781, 0.2979, 0.3176



13.2272, 0.1801, 0.1682



1.5067, 0.1855, 0.1879

Previews

White Background



This preview shows how the Yxy color 37.5505, 0.5354, 0.4062 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 37.5505, 0.5354, 0.4062 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 37.5505, 0.5354, 0.4062

Background



This preview shows how black text looks on a background with the Yxy color 37.5505, 0.5354, 0.4062.



This preview shows how white text looks on a background with the Yxy color 37.5505, 0.5354, 0.4062.

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

37.5505, 0.5354, 0.4062

Protanopia

37.8158, 0.4332, 0.4797

Deuteranopia

37.6693, 0.4719, 0.4635



Tritanopia

37.6207, 0.4510, 0.3213

Trichromacy



Original Color

37.5505, 0.5354, 0.4062

Protanomaly

36.7152, 0.4729, 0.4514

Deuteranomaly

37.3661, 0.4965, 0.4417

Tritanomaly

37.2291, 0.4937, 0.3618

Monochromacy



Original Color

37.5505, 0.5354, 0.4062

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.1354, 0.4029, 0.3834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5505, 0.5354, 0.4062 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, 131, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 22)  
}
```

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, 131, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 22) }
```

Border

The CSS property to change the border of an element to Yxy 37.5505, 0.5354, 0.4062 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, 131, 22) }
```

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

```
.border{ border-color:rgb(255, 131, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 131, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5505, 0.5354, 0.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 22) }
```

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

```
.background{ background-color: rgb(255,  
131, 22) }
```

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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