

Converting Colors

$Y_{xy}(37.9115, 0.5197, 0.3929)$

Have a look what the booklet for
Yxy(37.9115, 0.5197, 0.3929)
contains.

Yxy(37.7781, 0.5202, 0.3925)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.7781, 0.5202, 0.3925)

Conversions

Conversions Part 1

Format	Color
Hex	FF8338
RGB	255, 131, 56
RGB Percent	100%, 51%, 22%
CMY	0.0000, 0.4862, 0.7801
CMYK	0.00, 0.49, 0.78, 0.00
HSL	23°, 100%, 61%
HSV	23°, 78%, 100%
XYZ	50.0692, 37.7781, 8.4026
YIQ	159.5260, 97.9790, 2.9630

Conversions

Conversions Part 2

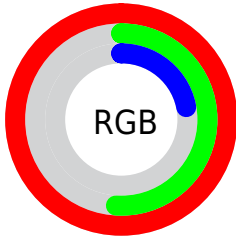
Format	Color
R_{YB}	255, 176, 56
Decimal	16745272
CIE _{Lab}	67.86, 42.36, 59.43
CIE _{LCh}	68, 72.984, 54.519
Yxy	37.7781, 0.5202, 0.3925
Android (android.graphics.Color)	4294935352 (0xFFFF8338)
YUV	159.5260, -51.0383, 83.7307
Hunter-Lab	61.4639, 37.8464, 34.9193

Details

The Yxy color **37.7781, 0.5202, 0.3925** 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 **40.7236, 0.2031, 0.2297**, and the grayscale version is **35.1345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4605, 0.4362, 0.4075**, and **16.7984, 0.5668, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **33.6436, 0.5504, 0.3889**, and if you desaturate by 10%, it is **42.6984, 0.4868, 0.3910**.

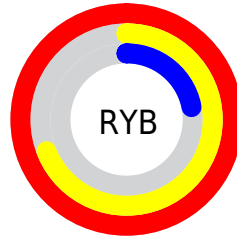
Distribution



Red (100%)

Green (51%)

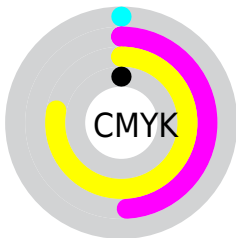
Blue (22%)



Red (100%)

Yellow (69%)

Blue (22%)

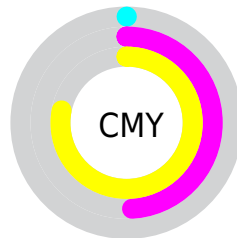


Cyan (0%)

Magenta (49%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7781, 0.5202, 0.3925 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 37.7781, 0.5202, 0.3925 by changing the saturation by 10% instead.


 37.7781, 0.5202,
0.3925

 37.7781, 0.5202,
0.3925


336.6671, 0.4179,
0.3728

 25.8105, 0.5427,
0.3925


 71.7679, 0.4848,
0.3889

 16.6819, 0.5690,
0.3896


 94.5589, 0.4709,
0.3865


 10.0080, 0.6016,
0.3828


 121.7265, 0.4589,
0.3840

 5.4042, 0.6355,
0.3645

 153.6551, 0.4485,
0.3815

 2.4863, 0.6712,
0.3288

 190.7290, 0.4394,
0.3791

 0.8698, 0.7279,
0.2721

 233.3327, 0.4314,

 0.0000, 1.0000,

0.3769

0.0000

281.8507, 0.4243,
0.3748

■ 0.0000, 0.0000,
0.0000

■ 37.7781, 0.5202,
0.3925

■ 37.7781, 0.5202,
0.3925

■ 33.6436, 0.5504,
0.3889

■ 42.6984, 0.4868,
0.3910

■ 30.2361, 0.5751,
0.3801


■ 48.4433, 0.4532,
0.3855


■ 29.6364, 0.5795,
0.3781

■ 55.0552, 0.4213,
0.3772

■ 62.5718, 0.3924,
0.3673

■ 71.0279, 0.3669,
0.3569

 80.4566, 0.3448,
0.3465

 90.8891, 0.3258,
0.3366

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



37.7781, 0.5062, 0.3211



37.7781, 0.5202, 0.3925



37.7781, 0.4702, 0.4672

Triad

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



37.7781, 0.5202, 0.3925



37.7781, 0.2000, 0.4126



37.7781, 0.2163, 0.1788

Complementary

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



37.7781, 0.5202, 0.3925



40.7236, 0.2031, 0.2297

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.



37.7781, 0.1604, 0.1789



37.7781, 0.5202, 0.3925



37.7781, 0.1501, 0.2904

Square

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



37.7781, 0.5202, 0.3925



37.7781, 0.2859, 0.5157



37.7781, 0.1387, 0.2122



37.7781, 0.3091, 0.2060

Rectangle

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



37.7781, 0.5202, 0.3925



37.7781, 0.4152, 0.5105



37.7781, 0.1387, 0.2122



37.7781, 0.1936, 0.1756

Sweetspot

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



37.7801, 0.5202, 0.3925



75.6361, 0.3554, 0.3517



27.4728, 0.4073, 0.2190



15.4739, 0.3636, 0.3555



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.



37.7801, 0.5202, 0.3925



31.5225, 0.5659, 0.3841



77.2892, 0.4307, 0.4768



19.1084, 0.3285, 0.3380



15.7504, 0.5765, 0.3804



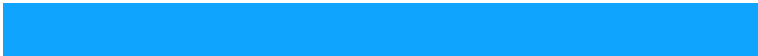
1.7356, 0.5552, 0.3974

Inverse Universe

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



40.7236, 0.2031, 0.2297



34.1239, 0.1915, 0.2064



14.1861, 0.1709, 0.1066



19.2640, 0.2979, 0.3198



17.0132, 0.1890, 0.2003



1.8669, 0.1935, 0.2166

Previews

White Background



This preview shows how the Yxy color 37.7781, 0.5202, 0.3925 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 37.7781, 0.5202, 0.3925 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 37.7781, 0.5202, 0.3925

Background



This preview shows how black text looks on a background with the Yxy color 37.7781, 0.5202, 0.3925.



This preview shows how white text looks on a background with the Yxy color 37.7781, 0.5202, 0.3925.

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

37.7781, 0.5202, 0.3925

Protanopia

37.9801, 0.4159, 0.4561

Deuteranopia

37.7372, 0.4575, 0.4472



Tritanopia

37.9029, 0.4492, 0.3213

Trichromacy



Original Color

37.7781, 0.5202, 0.3925

Protanomaly

36.8319, 0.4554, 0.4318

Deuteranomaly

37.4264, 0.4811, 0.4263

Tritanomaly

37.7390, 0.4796, 0.3511

Monochromacy



Original Color

37.7781, 0.5202, 0.3925

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.5021, 0.3895, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7781, 0.5202, 0.3925 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 56) }
```

Border

The CSS property to change the border of an element to Yxy 37.7781, 0.5202, 0.3925 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, 56) }
```

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

```
.border{ border-color:rgb(255, 131, 56) }
```

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, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7781, 0.5202, 0.3925 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, 56) }
```

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

```
.background{ background-color: rgb(255,  
131, 56) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor