

Converting Colors

$Y_{xy}(41.7937, 0.5373, 0.3847)$

Have a look what the booklet for
Yxy(41.7937, 0.5373, 0.3847)
contains.

Yxy(37.4916, 0.5225, 0.3927)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.4916, 0.5225, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	FF8236
RGB	255, 130, 54
RGB Percent	100%, 51%, 21%
CMY	0.0001, 0.4901, 0.7883
CMYK	0.00, 0.49, 0.79, 0.00
HSL	23°, 100%, 61%
HSV	23°, 79%, 100%
XYZ	49.8838, 37.4916, 8.0960
YIQ	158.7110, 98.8960, 2.8640

Conversions

Conversions Part 2

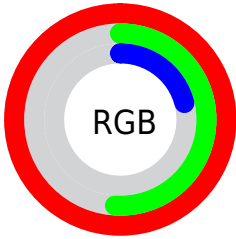
Format	Color
R _Y B	255, 176, 54
Decimal	16745014
CIE Lab	67.64, 42.78, 60.11
CIE LCh	68, 73.781, 54.563
Yxy	37.4916, 0.5225, 0.3927
Android (android.graphics.Color)	4294935094 (0xFFFF8236)
YUV	158.7110, -51.6225, 84.4455
Hunter-Lab	61.2304, 38.2690, 35.0219

Details

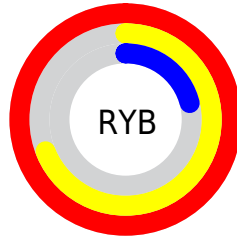
The Yxy color **37.4916, 0.5225, 0.3927** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **40.2242, 0.2023, 0.2281**, and the grayscale version is **34.7405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9985, 0.4383, 0.4083**, and **16.5251, 0.5677, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **33.4154, 0.5523, 0.3887**, and if you desaturate by 10%, it is **42.3471, 0.4894, 0.3916**.

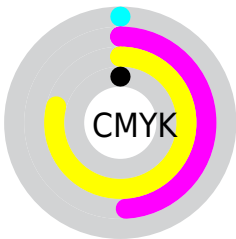
Distribution



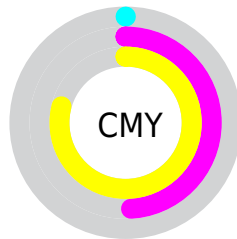
- Red (100%)
- Green (51%)
- Blue (21%)



- Red (100%)
- Yellow (69%)
- Blue (21%)



- Cyan (0%)
- Magenta (49%)
- Yellow (79%)
- Black (0%)




- Cyan (0%)
- Magenta (49%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4916, 0.5225, 0.3927 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 37.4916, 0.5225, 0.3927 by changing the saturation by 10% instead.


 37.4916, 0.5225,
0.3927


 37.4916, 0.5225,
0.3927


335.4340, 0.4192,
0.3733


 25.5883, 0.5451,
0.3925


 71.3282, 0.4868,
0.3893

 16.5159, 0.5715,
0.3893


 94.0304, 0.4728,
0.3869

 9.8900, 0.6047,
0.3823


 121.1010, 0.4606,
0.3844

 5.3261, 0.6374,
0.3626

 152.9244, 0.4501,
0.3820

 2.4398, 0.6736,
0.3264

 189.8850, 0.4409,
0.3796

 0.8463, 0.7313,
0.2687

 232.3672, 0.4328,

 0.0000, 1.0000,

0.3774

0.0000

280.7554, 0.4256,
0.3753

■ 0.0000, 0.0000,
0.0000

■ 37.4916, 0.5225,
0.3927

■ 37.4916, 0.5225,
0.3927

■ 33.4154, 0.5523,
0.3887

■ 42.3471, 0.4894,
0.3916

■ 30.0576, 0.5765,
0.3796


■ 48.0207, 0.4557,
0.3863


■ 29.7054, 0.5791,
0.3784

■ 54.5551, 0.4237,
0.3781

■ 61.9878, 0.3945,
0.3683

■ 70.3537, 0.3688,
0.3579

 79.6859, 0.3464,
0.3474

 90.0155, 0.3273,
0.3374

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



37.4916, 0.5088, 0.3208



37.4916, 0.5225, 0.3927



37.4916, 0.4715, 0.4683

Triad

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



37.4916, 0.5225, 0.3927



37.4916, 0.1985, 0.4136



37.4916, 0.2153, 0.1773

Complementary

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



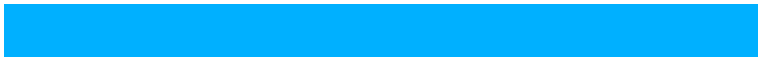
37.4916, 0.5225, 0.3927



40.2242, 0.2023, 0.2281

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.



37.4916, 0.1589, 0.1773



37.4916, 0.5225, 0.3927



37.4916, 0.1483, 0.2895

Square

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



37.4916, 0.5225, 0.3927



37.4916, 0.2851, 0.5185



37.4916, 0.1371, 0.2106



37.4916, 0.3091, 0.2048

Rectangle

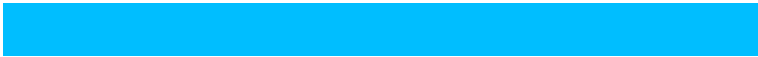
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.4916, 0.5225, 0.3927



37.4916, 0.4157, 0.5125



37.4916, 0.1371, 0.2106



37.4916, 0.1923, 0.1741

Sweetspot

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



37.4936, 0.5225, 0.3927



74.7461, 0.3576, 0.3528



27.2421, 0.4087, 0.2186



15.3016, 0.3658, 0.3566



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.



37.4936, 0.5225, 0.3927



31.2670, 0.5679, 0.3835



77.1110, 0.4315, 0.4775



19.1130, 0.3285, 0.3380



15.7882, 0.5761, 0.3808



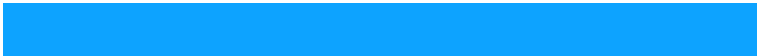
1.7396, 0.5548, 0.3977

Inverse Universe

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



40.2242, 0.2023, 0.2281



33.6273, 0.1908, 0.2045



13.8565, 0.1699, 0.1046



19.2592, 0.2979, 0.3198



16.9437, 0.1888, 0.1998



1.8604, 0.1934, 0.2161

Previews

White Background



This preview shows how the Yxy color 37.4916, 0.5225, 0.3927 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 37.4916, 0.5225, 0.3927 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 37.4916, 0.5225, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 37.4916, 0.5225, 0.3927.



This preview shows how white text looks on a background with the Yxy color 37.4916, 0.5225, 0.3927.

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

37.4916, 0.5225, 0.3927

Protanopia

37.4708, 0.4169, 0.4575

Deuteranopia

37.5688, 0.4580, 0.4497



Tritanopia

37.5932, 0.4522, 0.3223

Trichromacy



Original Color

37.4916, 0.5225, 0.3927

Protanomaly

36.4844, 0.4577, 0.4323

Deuteranomaly

36.9281, 0.4829, 0.4276

Tritanomaly

37.4382, 0.4825, 0.3519

Monochromacy



Original Color

37.4916, 0.5225, 0.3927

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.0296, 0.3899, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4916, 0.5225, 0.3927 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, 130, 54)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 54)  
}
```

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, 130, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 54) }
```

Border

The CSS property to change the border of an element to Yxy 37.4916, 0.5225, 0.3927 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, 130, 54) }
```

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

```
.border{ border-color:rgb(255, 130, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 54);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4916, 0.5225, 0.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 54) }
```

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

```
.background{ background-color: rgb(255,  
130, 54) }
```

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