

Converting Colors

$Y_{xy}(37.5038, 0.5365, 0.4069)$

Have a look what the booklet for
Yxy(37.5038, 0.5365, 0.4069)
contains.

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Color

Yxy(37.5363, 0.5364, 0.4071)

Conversions

Conversions Part 1

Format	Color
Hex	FF8312
RGB	255, 131, 18
RGB Percent	100%, 51%, 7%
CMY	0.0001, 0.4862, 0.9295
CMYK	0.00, 0.49, 0.93, 0.00
HSL	29°, 100%, 54%
HSV	29°, 93%, 100%
XYZ	49.4583, 37.5363, 5.2095
YIQ	155.1940, 110.1770, -8.8550

Conversions

Conversions Part 2

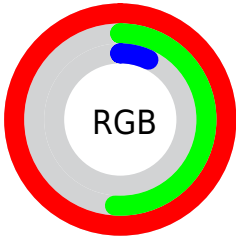
Format	Color
RYB	255, 234, 18
Decimal	16745234
CIELab	67.68, 41.49, 71.66
CIELCh	68, 82.806, 59.934
Yxy	37.5363, 0.5364, 0.4071
Android (android.graphics.Color)	4294935314 (0xFFFF8312)
YUV	155.1940, -67.6366, 87.5299
Hunter-Lab	61.2669, 36.8789, 37.8454

Details

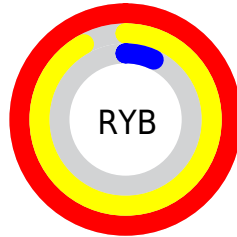
The Yxy color **37.5363, 0.5364, 0.4071** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.6703, 0.1829, 0.1744**, and the grayscale version is **33.1399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5371, 0.4551, 0.4286**, and **16.6683, 0.5662, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **35.0819, 0.5505, 0.4011**, and if you desaturate by 10%, it is **41.4891, 0.5129, 0.4116**.

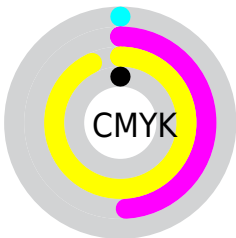
Distribution



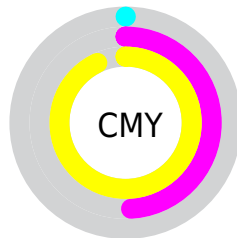
- Red (100%)
- Green (51%)
- Blue (7%)



- Red (100%)
- Yellow (92%)
- Blue (7%)



- Cyan (0%)
- Magenta (49%)
- Yellow (93%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5363, 0.5364, 0.4071 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 37.5363, 0.5364, 0.4071 by changing the saturation by 10% instead.


 37.5363, 0.5364,
0.4071


 37.5363, 0.5364,
0.4071


335.6266, 0.4303,
0.3851


 25.6230, 0.5575,
0.4059


 71.3968, 0.5013,
0.4041


 16.5418, 0.5812,
0.4009


 94.1129, 0.4869,
0.4015


 9.9084, 0.6092,
0.3908


 121.1986, 0.4744,
0.3986

 5.3382, 0.6334,
0.3666

 153.0385, 0.4633,
0.3957

 2.4471, 0.6689,
0.3311

 190.0168, 0.4536,
0.3929

 0.8499, 0.7257,
0.2743

 232.5180, 0.4449,

 0.0000, 1.0000,

0.3901

0.0000

280.9265, 0.4372,
0.3875

0.0000, 0.0000,
0.0000

37.5363, 0.5364,
0.4071

37.5363, 0.5364,
0.4071

35.0819, 0.5505,
0.4011

41.4891, 0.5129,
0.4116

46.0346, 0.4858,
0.4105

51.2093, 0.4569,
0.4045


57.0437, 0.4283,
0.3951

63.5654, 0.4011,
0.3834

 70.8003, 0.3762,
0.3706

 78.7725, 0.3540,
0.3575

 87.5046, 0.3344,
0.3446

 97.0184, 0.3173,
0.3325

Harmonies

Analogous

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



37.5363, 0.5400, 0.3296



37.5363, 0.5364, 0.4071



37.5363, 0.4673, 0.4913

Triad

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



37.5363, 0.5364, 0.4071



37.5363, 0.1724, 0.3966



37.5363, 0.2204, 0.1675

Complementary

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



37.5363, 0.5364, 0.4071



26.6703, 0.1829, 0.1744

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.



37.5363, 0.1533, 0.1614



37.5363, 0.5364, 0.4071



37.5363, 0.1283, 0.2627

Square

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



37.5363, 0.5364, 0.4071



37.5363, 0.2597, 0.5311



37.5363, 0.1241, 0.1883



37.5363, 0.3300, 0.2016

Rectangle

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



37.5363, 0.5364, 0.4071



37.5363, 0.4022, 0.5404



37.5363, 0.1241, 0.1883



37.5363, 0.1933, 0.1622

Sweetspot

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



37.5384, 0.5364, 0.4071



74.6697, 0.3649, 0.3641



23.7120, 0.4703, 0.2398



15.2612, 0.3747, 0.3697



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.



37.5384, 0.5364, 0.4071



35.0901, 0.5505, 0.4011



87.8651, 0.4238, 0.4990



19.4165, 0.3282, 0.3404



18.6300, 0.5478, 0.4032



2.0310, 0.5294, 0.4179

Inverse Universe

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



26.6703, 0.1829, 0.1744



24.0946, 0.1784, 0.1623



8.0801, 0.1531, 0.0663



18.9499, 0.2979, 0.3174



12.8912, 0.1792, 0.1651



1.4741, 0.1847, 0.1850

Previews

White Background



This preview shows how the Yxy color 37.5363, 0.5364, 0.4071 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 37.5363, 0.5364, 0.4071 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 37.5363, 0.5364, 0.4071

Background



This preview shows how black text looks on a background with the Yxy color 37.5363, 0.5364, 0.4071.

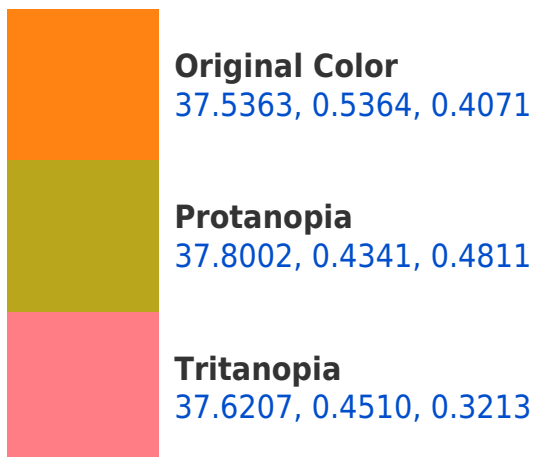


This preview shows how white text looks on a background with the Yxy color 37.5363, 0.5364, 0.4071.

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



Trichromacy



Original Color

37.5363, 0.5364, 0.4071

Protanomaly

36.7015, 0.4738, 0.4525

Tritanomaly

37.1941, 0.4957, 0.3635

Monochromacy



Original Color

37.5363, 0.5364, 0.4071

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.6541, 0.4045, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5363, 0.5364, 0.4071 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 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, 131, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 18) }
```

Border

The CSS property to change the border of an element to Yxy 37.5363, 0.5364, 0.4071 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, 18) }
```

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

```
.border{ border-color:rgb(255, 131, 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, 131, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
18) }
```

Background

The CSS property to change the background color of an element to $\text{Yxy } 37.5363, 0.5364, 0.4071$ 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, 18) }
```

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

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