

Converting Colors

Yxy(37.3715, 0.5247, 0.3939)

Have a look what the booklet for
Yxy(37.3715, 0.5247, 0.3939)
contains.

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Color

Yxy(37.4643, 0.5243, 0.3943)

Conversions

Conversions Part 1

Format	Color
Hex	FF8233
RGB	255, 130, 51
RGB Percent	100%, 51%, 20%
CMY	0.0001, 0.4901, 0.8001
CMYK	0.00, 0.49, 0.80, 0.00
HSL	23°, 100%, 60%
HSV	23°, 80%, 100%
XYZ	49.8162, 37.4643, 7.7342
YIQ	158.3690, 99.8590, 1.9310

Conversions

Conversions Part 2

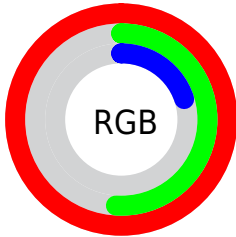
Format	Color
R _Y B	255, 180, 51
Decimal	16745011
CIE Lab	67.62, 42.68, 61.35
CIE LCh	68, 74.738, 55.172
Yxy	37.4643, 0.5243, 0.3943
Android (android.graphics.Color)	4294935091 (0xFFFF8233)
YUV	158.3690, -52.9329, 84.7454
Hunter-Lab	61.2081, 38.1639, 35.3538

Details

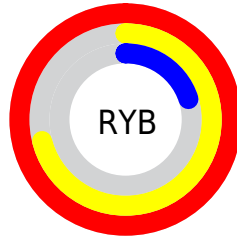
The Yxy color **37.4643, 0.5243, 0.3943** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **38.9496, 0.2005, 0.2237**, and the grayscale version is **34.5809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9372, 0.4404, 0.4109**, and **16.5251, 0.5677, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **33.4546, 0.5531, 0.3898**, and if you desaturate by 10%, it is **42.2320, 0.4919, 0.3936**.

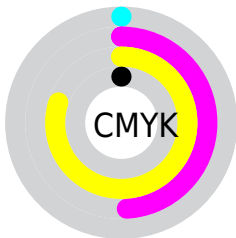
Distribution



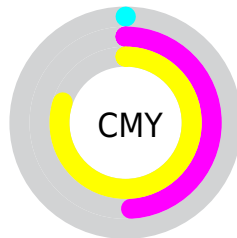
- Red (100%)
- Green (51%)
- Blue (20%)



- Red (100%)
- Yellow (71%)
- Blue (20%)



- Cyan (0%)
- Magenta (49%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4643, 0.5243, 0.3943 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 37.4643, 0.5243, 0.3943 by changing the saturation by 10% instead.


 37.4643, 0.5243,
0.3943


 37.4643, 0.5243,
0.3943


335.3163, 0.4205,
0.3746


 25.5672, 0.5468,
0.3940


 71.2863, 0.4886,
0.3909

 16.5001, 0.5730,
0.3906


 93.9800, 0.4745,
0.3885

 9.8787, 0.6066,
0.3839


 121.0413, 0.4622,
0.3860

 5.3186, 0.6371,
0.3629

 152.8547, 0.4516,
0.3835

 2.4354, 0.6734,
0.3266

 189.8044, 0.4424,
0.3810

 0.8440, 0.7311,
0.2689

 232.2751, 0.4342,

 0.0000, 1.0000,

0.3787

0.0000

280.6509, 0.4269,
0.3766

■ 0.0000, 0.0000,
0.0000

■ 37.4643, 0.5243,
0.3943

■ 37.4643, 0.5243,
0.3943

■ 33.4546, 0.5531,
0.3898

■ 42.2320, 0.4919,
0.3936


■ 30.1424, 0.5765,
0.3804


■ 47.7956, 0.4586,
0.3885

■ 54.1972, 0.4267,
0.3804

■ 61.4732, 0.3974,
0.3705

■ 69.6578, 0.3714,
0.3598

 78.7833, 0.3488,
0.3491

 88.8799, 0.3294,
0.3388

99.9766, 0.3127,
0.3290

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



37.4643, 0.5123, 0.3217



37.4643, 0.5243, 0.3943



37.4643, 0.4713, 0.4708

Triad

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



37.4643, 0.5243, 0.3943



37.4643, 0.1956, 0.4120



37.4643, 0.2157, 0.1761

Complementary

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



37.4643, 0.5243, 0.3943



38.9496, 0.2005, 0.2237

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.



37.4643, 0.1582, 0.1755



37.4643, 0.5243, 0.3943



37.4643, 0.1460, 0.2866

Square

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



37.4643, 0.5243, 0.3943



37.4643, 0.2824, 0.5201



37.4643, 0.1355, 0.2081



37.4643, 0.3112, 0.2044

Rectangle

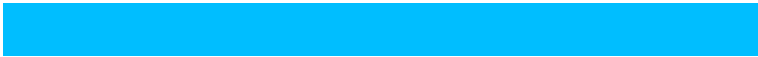
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.4643, 0.5243, 0.3943



37.4643, 0.4145, 0.5155



37.4643, 0.1355, 0.2081



37.4643, 0.1923, 0.1727

Sweetspot

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



37.4663, 0.5243, 0.3943



75.0362, 0.3574, 0.3534



26.7883, 0.4156, 0.2212



15.3705, 0.3656, 0.3572



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.



37.4663, 0.5243, 0.3943



31.3954, 0.5676, 0.3845



78.7516, 0.4301, 0.4807



19.1411, 0.3285, 0.3383



16.0198, 0.5736, 0.3828



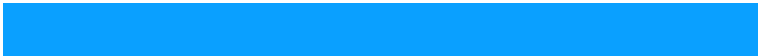
1.7641, 0.5525, 0.3995

Inverse Universe

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



38.9496, 0.2005, 0.2237



32.4800, 0.1894, 0.1999



12.9238, 0.1676, 0.0988



19.2303, 0.2979, 0.3196



16.5301, 0.1879, 0.1965



1.8216, 0.1926, 0.2132

Previews

White Background



This preview shows how the Yxy color 37.4643, 0.5243, 0.3943 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 37.4643, 0.5243, 0.3943 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 37.4643, 0.5243, 0.3943

Background



This preview shows how black text looks on a background with the Yxy color 37.4643, 0.5243, 0.3943.



This preview shows how white text looks on a background with the Yxy color 37.4643, 0.5243, 0.3943.

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

37.4643, 0.5243, 0.3943

Protanopia

37.4269, 0.4193, 0.4611

Deuteranopia

37.6839, 0.4607, 0.4513



Tritanopia

37.3412, 0.4527, 0.3213

Trichromacy



Original Color

37.4643, 0.5243, 0.3943

Protanomaly

36.4535, 0.4596, 0.4346

Deuteranomaly

37.0645, 0.4854, 0.4287

Tritanomaly

37.1610, 0.4843, 0.3518

Monochromacy



Original Color

37.4643, 0.5243, 0.3943

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.8492, 0.3910, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4643, 0.5243, 0.3943 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 51) }
```

Border

The CSS property to change the border of an element to Yxy 37.4643, 0.5243, 0.3943 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, 51) }
```

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

```
.border{ border-color:rgb(255, 130, 51) }
```

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, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
51) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 37.4643, 0.5243, 0.3943$ 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
130, 51) }
```

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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