

Converting Colors

$Y_{xy}(33.6453, 0.5149, 0.3628)$

Have a look what the booklet for
Yxy(33.6453, 0.5149, 0.3628)
contains.

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Color

Yxy(33.7507, 0.5143, 0.3631)

Conversions

Conversions Part 1

Format	Color
Hex	FC744F
RGB	252, 116, 79
RGB Percent	99%, 45%, 31%
CMY	0.0117, 0.5451, 0.6901
CMYK	0.00, 0.54, 0.69, 0.01
HSL	13°, 97%, 65%
HSV	13°, 69%, 99%
XYZ	47.8050, 33.7507, 11.3959
YIQ	152.4460, 92.9330, 17.3250

Conversions

Conversions Part 2

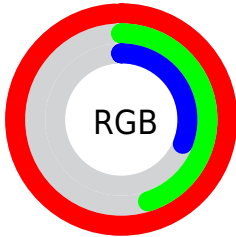
Format	Color
R_{YB}	252, 126, 79
Decimal	16544847
CIE _{Lab}	64.76, 49.51, 45.00
CIE _{LCh}	65, 66.903, 42.265
Yxy	33.7507, 0.5143, 0.3631
Android (android.graphics.Color)	4294734927 (0xFFFC744F)
YUV	152.4460, -36.2089, 87.3089
Hunter-Lab	58.0954, 45.2156, 29.0366

Details

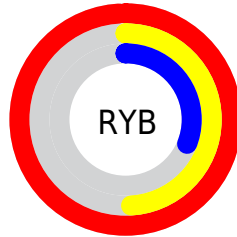
The Yxy color **33.7507, 0.5143, 0.3631** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **57.3096, 0.2220, 0.2820**, and the grayscale version is **31.7332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9708, 0.4288, 0.3729**, and **14.3684, 0.5704, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **29.3614, 0.5548, 0.3619**, and if you desaturate by 10%, it is **39.2569, 0.4731, 0.3611**.

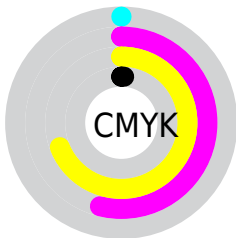
Distribution



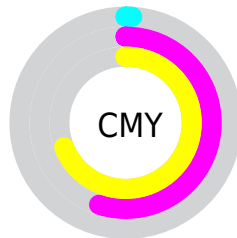
- Red (99%)
- Green (45%)
- Blue (31%)



- Red (99%)
- Yellow (49%)
- Blue (31%)



- Cyan (0%)
- Magenta (54%)
- Yellow (69%)
- Black (1%)




- Cyan (1%)
- Magenta (55%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7507, 0.5143, 0.3631 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 33.7507, 0.5143, 0.3631 by changing the saturation by 10% instead.


 33.7507, 0.5143,
0.3631


 33.7507, 0.5143,
0.3631


319.0190, 0.4101,
0.3549

 22.7021, 0.5395,
0.3615


 65.5458, 0.4766,
0.3627


 14.3737, 0.5706,
0.3571


 87.0611, 0.4623,
0.3618


 8.3811, 0.6091,
0.3475


 112.8342, 0.4502,
0.3606

 4.3397, 0.6668,
0.3332

 143.2493, 0.4398,
0.3595

 1.8654, 0.7112,
0.2888

 178.6910, 0.4309,
0.3583

 0.5274, 0.7948,
0.2052

219.5436, 0.4231,

 0.0000, 1.0000,

0.3571

0.0000

266.1914, 0.4162,
0.3560

0.0000, 0.0000,
0.0000

33.7507, 0.5143,
0.3631

33.7507, 0.5143,
0.3631

29.3614, 0.5548,
0.3619

39.2569, 0.4731,
0.3611

26.0042, 0.5897,
0.3568

45.9454, 0.4347,
0.3569

23.5873, 0.6150,
0.3486

53.8831, 0.4007,
0.3514


23.3234, 0.6179,
0.3476

63.1301, 0.3717,
0.3454

73.7425, 0.3475,
0.3394

 85.7731, 0.3273,
0.3337

 99.2444, 0.3109,
0.3287

 99.4373, 0.3109,
0.3290

Harmonies

Analogous

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



33.7507, 0.4711, 0.2958



33.7507, 0.5143, 0.3631



33.7507, 0.4899, 0.4346

Triad

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



33.7507, 0.5143, 0.3631



33.7507, 0.2360, 0.4555



33.7507, 0.1939, 0.1809

Complementary

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



33.7507, 0.5143, 0.3631



57.3096, 0.2220, 0.2820

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.



33.7507, 0.1536, 0.1936



33.7507, 0.5143, 0.3631



33.7507, 0.1717, 0.3371

Square

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



33.7507, 0.5143, 0.3631



33.7507, 0.3270, 0.5211



33.7507, 0.1455, 0.2426



33.7507, 0.2694, 0.1968

Rectangle

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



33.7507, 0.5143, 0.3631



33.7507, 0.4462, 0.4803



33.7507, 0.1455, 0.2426



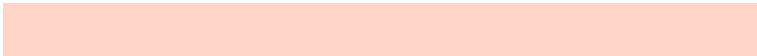
33.7507, 0.1767, 0.1817

Sweetspot

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



33.7526, 0.5143, 0.3631



73.0348, 0.3528, 0.3408



31.3236, 0.3562, 0.2009



14.9773, 0.3594, 0.3425



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.



33.7526, 0.5143, 0.3631



28.8698, 0.5675, 0.3606



62.6232, 0.4412, 0.4439



17.8264, 0.3289, 0.3341



12.3208, 0.6153, 0.3496



1.2884, 0.5932, 0.3672

Inverse Universe

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



57.3096, 0.2220, 0.2820



54.0418, 0.2124, 0.2714



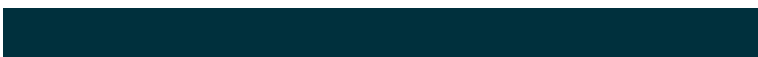
24.9026, 0.1937, 0.1669



18.9418, 0.2980, 0.3238



24.9554, 0.2052, 0.2586



2.4627, 0.2078, 0.2680

Previews

White Background



This preview shows how the Yxy color 33.7507, 0.5143, 0.3631 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 33.7507, 0.5143, 0.3631 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 33.7507, 0.5143, 0.3631

Background



This preview shows how black text looks on a background with the Yxy color 33.7507, 0.5143, 0.3631.



This preview shows how white text looks on a background with the Yxy color 33.7507, 0.5143, 0.3631.

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

33.7507, 0.5143, 0.3631

Protanopia

34.0147, 0.3877, 0.4225

Deuteranopia

33.8827, 0.4360, 0.4272



Tritanopia

33.7477, 0.4764, 0.3226

Trichromacy



Original Color

33.7507, 0.5143, 0.3631

Protanomaly

32.7670, 0.4344, 0.3990

Deuteranomaly

33.2839, 0.4660, 0.4010

Tritanomaly

33.6924, 0.4910, 0.3382

Monochromacy



Original Color

33.7507, 0.5143, 0.3631

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.6373, 0.3833, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7507, 0.5143, 0.3631 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(252, 116, 79)` looks like.

```
.text, #text, p{  
    color:rgb(252, 116, 79)  
}
```

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(252, 116, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 116, 79) }
```

Border

The CSS property to change the border of an element to Yxy 33.7507, 0.5143, 0.3631 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(252, 116, 79) }
```

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

```
.border{ border-color:rgb(252, 116, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 116, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 116, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 116, 79);  
box-shadow:4px 4px 4px 4px rgb(252, 116,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7507, 0.5143, 0.3631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 116, 79) }
```

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

```
.background{ background-color: rgb(252,  
116, 79) }
```

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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