

Converting Colors

$Y_{xy}(33.7150, 0.4985, 0.3765)$

Have a look what the booklet for
Yxy(33.7150, 0.4985, 0.3765)
contains.

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Color

Yxy(33.7283, 0.4983, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	F07D4D
RGB	240, 125, 77
RGB Percent	94%, 49%, 30%
CMY	0.0589, 0.5097, 0.6980
CMYK	0.00, 0.48, 0.68, 0.06
HSL	18°, 84%, 62%
HSV	18°, 68%, 94%
XYZ	44.6041, 33.7283, 11.1801
YIQ	153.9130, 83.9480, 9.4520

Conversions

Conversions Part 2

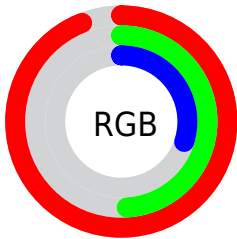
Format	Color
R _Y B	240, 145, 77
Decimal	15760717
CIE Lab	64.75, 40.51, 45.56
CIE LCh	65, 60.966, 48.362
Yxy	33.7283, 0.4983, 0.3768
Android (android.graphics.Color)	4293950797 (0xFFFF07D4D)
YUV	153.9130, -37.9181, 75.4983
Hunter-Lab	58.0761, 35.4599, 29.2395

Details

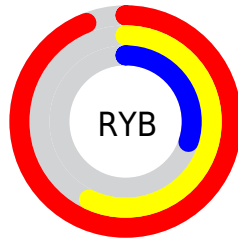
The Yxy color **33.7283, 0.4983, 0.3768** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **45.5510, 0.2182, 0.2642**, and the grayscale version is **32.4187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0587, 0.4250, 0.3820**, and **14.3188, 0.5502, 0.3758** is the 20% darker color. If you saturate the color by 10%, you get **29.5237, 0.5355, 0.3769**, and if you desaturate by 10%, it is **38.7919, 0.4610, 0.3730**.

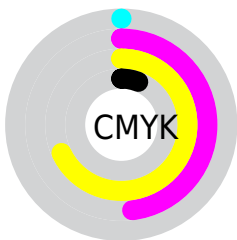
Distribution



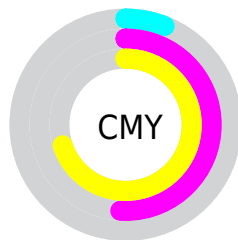
- Red (94%)
- Green (49%)
- Blue (30%)



- Red (94%)
- Yellow (57%)
- Blue (30%)



- Cyan (0%)
- Magenta (48%)
- Yellow (68%)
- Black (6%)




- Cyan (6%)
- Magenta (51%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7283, 0.4983, 0.3768 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 33.7283, 0.4983, 0.3768 by changing the saturation by 10% instead.


 33.7283, 0.4983,
0.3768


 33.7283, 0.4983,
0.3768


318.9188, 0.4024,
0.3605

 22.6850, 0.5215,
0.3774


 65.5109, 0.4636,
0.3733


 14.3611, 0.5502,
0.3760


 87.0190, 0.4504,
0.3712

 8.3722, 0.5856,
0.3701


 112.7841, 0.4393,
0.3691

 4.3340, 0.6392,
0.3608

 143.1906, 0.4298,
0.3672

 1.8621, 0.6790,
0.3210

 178.6230, 0.4215,
0.3653

 0.5254, 0.7604,
0.2396

219.4655, 0.4143,

 0.0000, 1.0000,

0.3636

0.0000

266.1027, 0.4080,
0.3620

■ 0.0000, 0.0000,
0.0000

■ 33.7283, 0.4983,
0.3768

■ 33.7283, 0.4983,
0.3768

■ 29.5237, 0.5355,
0.3769

■ 38.7919, 0.4610,
0.3730

■ 26.1211, 0.5690,
0.3725

■ 44.7559, 0.4261,
0.3667

■ 23.4623, 0.5954,
0.3636


■ 51.6651, 0.3950,
0.3590


■ 22.9914, 0.6002,
0.3616

■ 59.5596, 0.3680,
0.3508

■ 68.4772, 0.3451,
0.3427

 78.4536, 0.3258,
0.3348

 89.5225, 0.3096,
0.3275

 97.2622, 0.3035,
0.3290

Harmonies

Analogous

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



33.7283, 0.4704, 0.3120



33.7283, 0.4983, 0.3768



33.7283, 0.4672, 0.4429

Triad

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



33.7283, 0.4983, 0.3768



33.7283, 0.2285, 0.4228



33.7283, 0.2145, 0.1921

Complementary

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



33.7283, 0.4983, 0.3768



45.5510, 0.2182, 0.2642

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.



33.7283, 0.1696, 0.1988



33.7283, 0.4983, 0.3768



33.7283, 0.1746, 0.3169

Square

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



33.7283, 0.4983, 0.3768



33.7283, 0.3101, 0.4970



33.7283, 0.1561, 0.2380



33.7283, 0.2914, 0.2120

Rectangle

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



33.7283, 0.4983, 0.3768



33.7283, 0.4234, 0.4813



33.7283, 0.1561, 0.2380



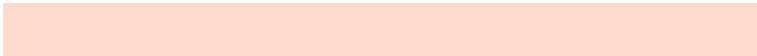
33.7283, 0.1960, 0.1912

Sweetspot

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



33.7301, 0.4983, 0.3768



76.2963, 0.3497, 0.3444



27.7161, 0.3723, 0.2136



15.7024, 0.3560, 0.3467



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.



33.7301, 0.4983, 0.3768



32.4798, 0.5474, 0.3760



62.5628, 0.4290, 0.4548



16.5177, 0.3286, 0.3360



12.7881, 0.5974, 0.3639



1.2301, 0.5716, 0.3843

Inverse Universe

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



45.5510, 0.2182, 0.2642



46.5072, 0.2069, 0.2491



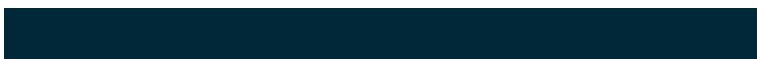
19.5254, 0.1908, 0.1513



17.0965, 0.2981, 0.3219



19.2781, 0.1973, 0.2301



1.7753, 0.2013, 0.2447

Previews

White Background



This preview shows how the Yxy color 33.7283, 0.4983, 0.3768 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 33.7283, 0.4983, 0.3768 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 33.7283, 0.4983, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 33.7283, 0.4983, 0.3768.



This preview shows how white text looks on a background with the Yxy color 33.7283, 0.4983, 0.3768.

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

33.7283, 0.4983, 0.3768

Protanopia

34.0425, 0.3931, 0.4286

Deuteranopia

33.8697, 0.4368, 0.4282



Tritanopia

33.7806, 0.4502, 0.3209

Trichromacy



Original Color

33.7283, 0.4983, 0.3768

Protanomaly

33.0682, 0.4314, 0.4087

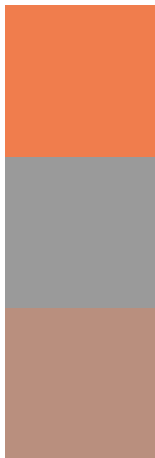
Deuteranomaly

33.3797, 0.4599, 0.4084

Tritanomaly

33.6561, 0.4697, 0.3420

Monochromacy



Original Color

33.7283, 0.4983, 0.3768

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.4656, 0.3770, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7283, 0.4983, 0.3768 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(240, 125, 77)` looks like.

```
.text, #text, p{  
    color:rgb(240, 125, 77)  
}
```

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(240, 125, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 125, 77) }
```

Border

The CSS property to change the border of an element to Yxy 33.7283, 0.4983, 0.3768 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(240, 125, 77) }
```

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

```
.border{ border-color:rgb(240, 125, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 125, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 125, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 125, 77);  
box-shadow:4px 4px 4px 4px rgb(240, 125,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7283, 0.4983, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 125, 77) }
```

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

```
.background{ background-color: rgb(240,  
125, 77) }
```

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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