

Converting Colors

$Y_{xy}(33.8976, 0.5045, 0.3639)$

Have a look what the booklet for
Yxy(33.8976, 0.5045, 0.3639)
contains.

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Color

Yxy(33.7746, 0.5046, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	F87753
RGB	248, 119, 83
RGB Percent	97%, 47%, 33%
CMY	0.0276, 0.5332, 0.6746
CMYK	0.00, 0.52, 0.67, 0.03
HSL	13°, 92%, 65%
HSV	13°, 67%, 97%
XYZ	46.8591, 33.7746, 12.2302
YIQ	153.4670, 88.4400, 16.1520

Conversions

Conversions Part 2

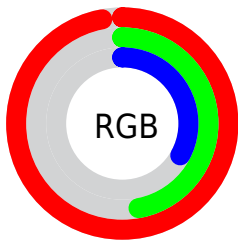
Format	Color
R _Y B	248, 129, 83
Decimal	16283475
CIE Lab	64.78, 46.79, 42.78
CIE LCh	65, 63.400, 42.439
Yxy	33.7746, 0.5046, 0.3637
Android (android.graphics.Color)	4294473555 (0xFFFF87753)
YUV	153.4670, -34.7402, 82.9054
Hunter-Lab	58.1159, 42.2225, 28.2039

Details

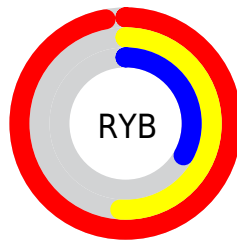
The Yxy color **33.7746, 0.5046, 0.3637** is a light color, and the websafe version is hex **CC6633**. The color can be described as light muted orange. A complement of this color would be **55.6557, 0.2236, 0.2827**, and the grayscale version is **32.1988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2533, 0.4227, 0.3709**, and **14.4629, 0.5594, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **29.3062, 0.5454, 0.3633**, and if you desaturate by 10%, it is **39.3240, 0.4640, 0.3610**.

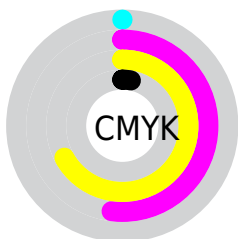
Distribution



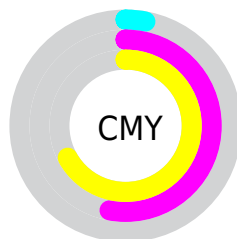
- Red (97%)
- Green (47%)
- Blue (33%)



- Red (97%)
- Yellow (51%)
- Blue (33%)



- Cyan (0%)
- Magenta (52%)
- Yellow (67%)
- Black (3%)



- Cyan (3%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7746, 0.5046, 0.3637 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 33.7746, 0.5046, 0.3637 by changing the saturation by 10% instead.


 33.7746, 0.5046,
0.3637


 33.7746, 0.5046,
0.3637


319.1258, 0.4050,
0.3542

 22.7205, 0.5290,
0.3628


 65.5830, 0.4684,
0.3626


 14.3873, 0.5594,
0.3595


 87.1061, 0.4547,
0.3614


 8.3905, 0.5973,
0.3515


 112.8876, 0.4431,
0.3601

 4.3458, 0.6586,
0.3414

 143.3120, 0.4333,
0.3589

 1.8688, 0.7017,
0.2983

 178.7636, 0.4247,
0.3576

 0.5295, 0.7846,
0.2154

219.6269, 0.4173,

 0.0000, 1.0000,

0.3564

0.0000

266.2861, 0.4108,
0.3553

0.0000, 0.0000,
0.0000

33.7746, 0.5046,
0.3637

33.7746, 0.5046,
0.3637

29.3062, 0.5454,
0.3633

39.3240, 0.4640,
0.3610

25.8403, 0.5818,
0.3591

46.0145, 0.4267,
0.3564


23.2956, 0.6093,
0.3513


53.9084, 0.3939,
0.3506


22.6050, 0.6169,
0.3484

63.0616, 0.3661,
0.3445

73.5267, 0.3428,
0.3384

 85.3529, 0.3235,
0.3326

 98.4862, 0.3084,
0.3287

 98.6894, 0.3084,
0.3290

Harmonies

Analogous

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



33.7746, 0.4633, 0.2983



33.7746, 0.5046, 0.3637



33.7746, 0.4824, 0.4323

Triad

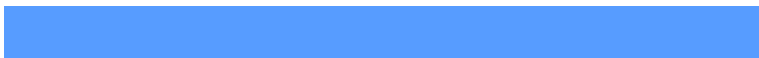
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.7746, 0.5046, 0.3637



33.7746, 0.2400, 0.4473



33.7746, 0.1994, 0.1870

Complementary

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



33.7746, 0.5046, 0.3637



55.6557, 0.2236, 0.2827

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.



33.7746, 0.1600, 0.1995



33.7746, 0.5046, 0.3637



33.7746, 0.1779, 0.3367

Square

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



33.7746, 0.5046, 0.3637



33.7746, 0.3272, 0.5101



33.7746, 0.1523, 0.2470



33.7746, 0.2723, 0.2024

Rectangle

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



33.7746, 0.5046, 0.3637



33.7746, 0.4411, 0.4751



33.7746, 0.1523, 0.2470



33.7746, 0.1827, 0.1878

Sweetspot

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



33.7764, 0.5046, 0.3637



74.2942, 0.3505, 0.3405



30.8984, 0.3576, 0.2058



15.2294, 0.3570, 0.3422



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.



33.7764, 0.5046, 0.3637



29.7881, 0.5592, 0.3623



62.4491, 0.4351, 0.4440



17.8400, 0.3289, 0.3343



12.3827, 0.6144, 0.3504



1.2960, 0.5922, 0.3680

Inverse Universe

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



55.6557, 0.2236, 0.2827



54.2253, 0.2132, 0.2716



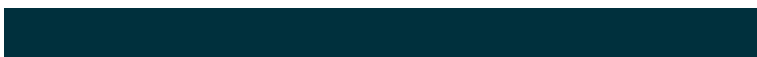
24.5069, 0.1963, 0.1691



18.9271, 0.2980, 0.3237



24.6734, 0.2047, 0.2569



2.4388, 0.2074, 0.2665

Previews

White Background



This preview shows how the Yxy color 33.7746, 0.5046, 0.3637 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 33.7746, 0.5046, 0.3637 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 33.7746, 0.5046, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 33.7746, 0.5046, 0.3637.



This preview shows how white text looks on a background with the Yxy color 33.7746, 0.5046, 0.3637.

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

33.7746, 0.5046, 0.3637

Protanopia

34.0874, 0.3842, 0.4171

Deuteranopia

33.8178, 0.4309, 0.4225



Tritanopia

33.7638, 0.4659, 0.3214

Trichromacy



Original Color

33.7746, 0.5046, 0.3637

Protanomaly

32.9986, 0.4287, 0.3960

Deuteranomaly

33.3259, 0.4595, 0.3991

Tritanomaly

33.7132, 0.4807, 0.3375

Monochromacy



Original Color

33.7746, 0.5046, 0.3637

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.2996, 0.3790, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7746, 0.5046, 0.3637 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(248, 119, 83)` looks like.

```
.text, #text, p{  
    color:rgb(248, 119, 83)  
}
```

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(248, 119, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 119, 83) }
```

Border

The CSS property to change the border of an element to Yxy 33.7746, 0.5046, 0.3637 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(248, 119, 83) }
```

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

```
.border{ border-color:rgb(248, 119, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 119, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 119, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 119, 83);  
box-shadow:4px 4px 4px 4px rgb(248, 119,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7746, 0.5046, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 119, 83) }
```

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

```
.background{ background-color: rgb(248,  
119, 83) }
```

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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