

# Converting Colors

$Y_{xy}(33.2001, 0.5076, 0.3627)$

Have a look what the booklet for  
Yxy(33.2001, 0.5076, 0.3627)  
contains.

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# **Color**

**Yxy(33.2882, 0.5074, 0.3625)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F87552
RGB	248, 117, 82
RGB Percent	97%, 46%, 32%
CMY	0.0275, 0.5411, 0.6785
CMYK	0.00, 0.53, 0.67, 0.03
HSL	13°, 92%, 65%
HSV	13°, 67%, 97%
XYZ	46.5943, 33.2882, 11.9470
YIQ	152.1790, 89.3110, 16.8870

# Conversions

## Conversions Part 2

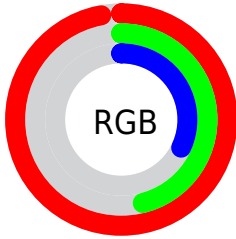
Format	Color
R <sub>Y</sub> B	248, 126, 82
Decimal	16282962
CIE Lab	64.39, 47.72, 42.86
CIE LCh	64, 64.145, 41.928
Yxy	33.2882, 0.5074, 0.3625
Android (android.graphics.Color)	4294473042 (0xFFFF87552)
YUV	152.1790, -34.5982, 84.0350
Hunter-Lab	57.6959, 43.1858, 28.1100

# Details

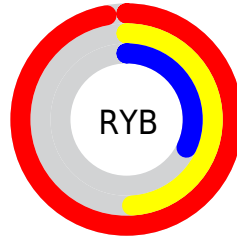
The Yxy color **33.2882, 0.5074, 0.3625** is a light color, and the websafe version is hex **CC6633**. The color can be described as light muted orange. A complement of this color would be **56.1389, 0.2236, 0.2840**, and the grayscale version is **31.6050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4310, 0.4255, 0.3709**, and **14.1024, 0.5622, 0.3580** is the 20% darker color. If you saturate the color by 10%, you get **28.8850, 0.5484, 0.3619**, and if you desaturate by 10%, it is **38.7842, 0.4664, 0.3601**.

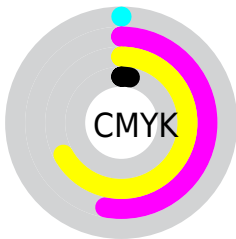
# Distribution



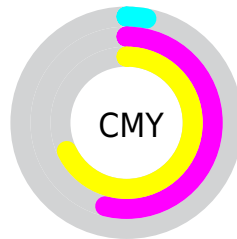
- Red (97%)
- Green (46%)
- Blue (32%)



- Red (97%)
- Yellow (49%)
- Blue (32%)



- Cyan (0%)
- Magenta (53%)
- Yellow (67%)
- Black (3%)




- Cyan (3%)
- Magenta (54%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.2882, 0.5074, 0.3625 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 33.2882, 0.5074, 0.3625 by changing the saturation by 10% instead.





 33.2882, 0.5074,  
0.3625


 33.2882, 0.5074,  
0.3625


316.9464, 0.4062,  
0.3538


 22.3473, 0.5322,  
0.3613


 64.8252, 0.4705,  
0.3617

 14.1123, 0.5631,  
0.3576


 86.1901, 0.4567,  
0.3607

 8.1988, 0.6017,  
0.3489


 111.7985, 0.4449,  
0.3595

 4.2224, 0.6628,  
0.3372

 142.0348, 0.4349,  
0.3583

 1.7988, 0.7070,  
0.2930

 177.2833, 0.4262,  
0.3571

 0.4864, 0.7959,  
0.2041

217.9285, 0.4187,

 0.0000, 1.0000,

0.3559

0.0000

264.3547, 0.4120,  
0.3548

0.0000, 0.0000,  
0.0000

33.2882, 0.5074,  
0.3625

33.2882, 0.5074,  
0.3625

28.8850, 0.5484,  
0.3619

38.7842, 0.4664,  
0.3601

25.4939, 0.5847,  
0.3575

45.4355, 0.4286,  
0.3556


23.0303, 0.6117,  
0.3497


53.3060, 0.3955,  
0.3501


22.4419, 0.6183,  
0.3473

62.4534, 0.3673,  
0.3442

72.9316, 0.3438,  
0.3383

 84.7913, 0.3242,  
0.3327

 98.0436, 0.3084,  
0.3280

 98.6959, 0.3084,  
0.3290

# Harmonies

## Analogous

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



33.2882, 0.4645, 0.2966



33.2882, 0.5074, 0.3625



33.2882, 0.4854, 0.4320

# Triad

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



33.2882, 0.5074, 0.3625



33.2882, 0.2400, 0.4513



33.2882, 0.1969, 0.1851

# Complementary

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



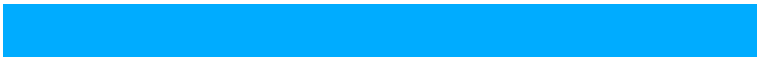
33.2882, 0.5074, 0.3625



56.1389, 0.2236, 0.2840

# 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.



33.2882, 0.1577, 0.1981



33.2882, 0.5074, 0.3625



33.2882, 0.1767, 0.3385

# Square

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



33.2882, 0.5074, 0.3625



33.2882, 0.3286, 0.5137



33.2882, 0.1504, 0.2467



33.2882, 0.2701, 0.2003



# Rectangle

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



33.2882, 0.5074, 0.3625



33.2882, 0.4438, 0.4758



33.2882, 0.1504, 0.2467



33.2882, 0.1802, 0.1861

# Sweetspot

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



33.2900, 0.5074, 0.3625



74.0997, 0.3506, 0.3401



30.8825, 0.3548, 0.2030



15.1835, 0.3571, 0.3417



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.



33.2900, 0.5074, 0.3625



29.5134, 0.5607, 0.3609



61.0402, 0.4379, 0.4421



17.8187, 0.3289, 0.3341



12.2861, 0.6158, 0.3492



1.2841, 0.5938, 0.3667



# Inverse Universe

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



56.1389, 0.2236, 0.2840



54.9856, 0.2138, 0.2737



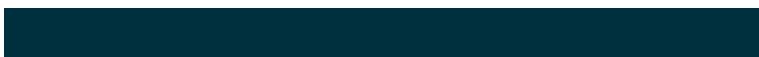
25.0134, 0.1965, 0.1716



18.9502, 0.2980, 0.3239



25.1175, 0.2054, 0.2596



2.4764, 0.2080, 0.2688



# Previews

## White Background



This preview shows how the Yxy color 33.2882, 0.5074, 0.3625 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 33.2882, 0.5074, 0.3625 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 33.2882, 0.5074, 0.3625**

## Background



This preview shows how black text looks on a background with the Yxy color 33.2882, 0.5074, 0.3625.



This preview shows how white text looks on a background with the Yxy color 33.2882, 0.5074, 0.3625.

# 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

33.2882, 0.5074, 0.3625

### Protanopia

33.6164, 0.3846, 0.4176

### Deuteranopia

33.3403, 0.4324, 0.4239



## Tritanopia

33.2684, 0.4696, 0.3214

# Trichromacy



## Original Color

33.2882, 0.5074, 0.3625

## Protanomaly

32.2434, 0.4302, 0.3950

## Deuteranomaly

32.5875, 0.4613, 0.3981

## Tritanomaly

33.2150, 0.4844, 0.3374

# Monochromacy



## Original Color

33.2882, 0.5074, 0.3625

## Achromatopsia

31.3989, 0.3127, 0.3290

## Achromatomaly

30.5623, 0.3799, 0.3460

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.2882, 0.5074, 0.3625 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, 117, 82)` looks like.

```
.text, #text, p{  
    color:rgb(248, 117, 82)  
}
```

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, 117, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 117, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 33.2882, 0.5074, 0.3625 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, 117, 82) }
```

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

```
.border{ border-color:rgb(248, 117, 82) }
```

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

Here you see how a box with a 4 pixel rgb(248, 117, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 117, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 117, 82);  
box-shadow:4px 4px 4px 4px rgb(248, 117,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.2882, 0.5074, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 117, 82) }
```

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

```
.background{ background-color: rgb(248,  
117, 82) }
```

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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