

Converting Colors

$Y_{xy}(33.1858, 0.4999, 0.3707)$

Have a look what the booklet for
Yxy(33.1858, 0.4999, 0.3707)
contains.

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Color

Yxy(33.1990, 0.4991, 0.3708)

Conversions

Conversions Part 1

Format	Color
Hex	F17A50
RGB	241, 122, 80
RGB Percent	95%, 48%, 31%
CMY	0.0549, 0.5216, 0.6861
CMYK	0.00, 0.49, 0.67, 0.05
HSL	16°, 85%, 63%
HSV	16°, 67%, 95%
XYZ	44.6861, 33.1990, 11.6483
YIQ	152.7930, 84.4060, 12.1660

Conversions

Conversions Part 2

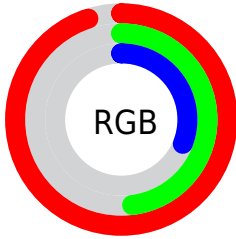
Format	Color
R_{YB}	241, 137, 80
Decimal	15825488
CIE _{Lab}	64.32, 42.58, 43.54
CIE _{LCh}	64, 60.898, 45.643
Yxy	33.1990, 0.4991, 0.3708
Android (android.graphics.Color)	4294015568 (0xFFFF17A50)
YUV	152.7930, -35.8869, 77.3575
Hunter-Lab	57.6186, 37.6033, 28.3468

Details

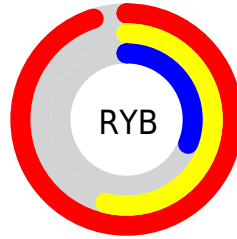
The Yxy color **33.1990, 0.4991, 0.3708** is a light color, and the websafe version is hex **CC6633**. The color can be described as light muted orange. A complement of this color would be **48.9238, 0.2212, 0.2731**, and the grayscale version is **31.8939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9494, 0.4242, 0.3760**, and **14.0683, 0.5525, 0.3694** is the 20% darker color. If you saturate the color by 10%, you get **28.9243, 0.5380, 0.3709**, and if you desaturate by 10%, it is **38.4071, 0.4604, 0.3674**.

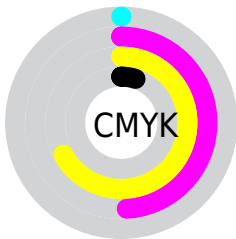
Distribution



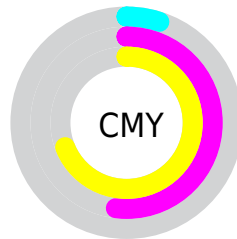
- Red (95%)
- Green (48%)
- Blue (31%)



- Red (95%)
- Yellow (54%)
- Blue (31%)



- Cyan (0%)
- Magenta (49%)
- Yellow (67%)
- Black (5%)





- Cyan (5%)
- Magenta (52%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1990, 0.4991, 0.3708 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 33.1990, 0.4991, 0.3708 by changing the saturation by 10% instead.


 33.1990, 0.4991,
0.3708


 33.1990, 0.4991,
0.3708


316.5455, 0.4022,
0.3574

 22.2789, 0.5229,
0.3709


 64.6861, 0.4638,
0.3682


 14.0620, 0.5524,
0.3687


 86.0219, 0.4505,
0.3665

 8.1638, 0.5892,
0.3621


 111.5984, 0.4393,
0.3648

 4.1999, 0.6471,
0.3529

 141.8001, 0.4297,
0.3631

 1.7860, 0.6889,
0.3111

 177.0112, 0.4214,
0.3615

 0.4784, 0.7780,
0.2220

217.6162, 0.4142,

 0.0000, 1.0000,

0.3600

0.0000

263.9995, 0.4078,
0.3586

■ 0.0000, 0.0000,
0.0000

■ 33.1990, 0.4991,
0.3708

■ 33.1990, 0.4991,
0.3708

■ 28.9243, 0.5380,
0.3709

■ 38.4071, 0.4604,
0.3674

■ 25.5194, 0.5733,
0.3667

■ 44.5961, 0.4246,
0.3617


■ 22.9198, 0.6007,
0.3583

■ 51.8165, 0.3930,
0.3548

■ 22.2385, 0.6080,
0.3554

■ 60.1134, 0.3659,
0.3475

■ 69.5294, 0.3430,
0.3403

 80.1047, 0.3239,
0.3334

 91.8774, 0.3079,
0.3270

 97.4421, 0.3041,
0.3290

Harmonies

Analogous

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



33.1990, 0.4654, 0.3062



33.1990, 0.4991, 0.3708



33.1990, 0.4725, 0.4374

Triad

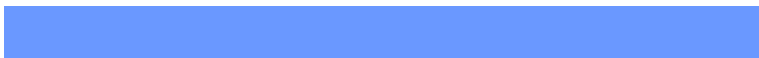
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.1990, 0.4991, 0.3708



33.1990, 0.2346, 0.4324



33.1990, 0.2087, 0.1911

Complementary

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



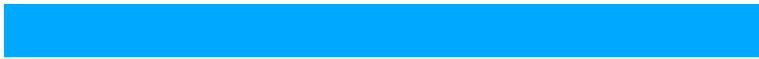
33.1990, 0.4991, 0.3708



48.9238, 0.2212, 0.2731

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.



33.1990, 0.1667, 0.2004



33.1990, 0.4991, 0.3708



33.1990, 0.1775, 0.3259

Square

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



33.1990, 0.4991, 0.3708



33.1990, 0.3180, 0.5008



33.1990, 0.1559, 0.2431



33.1990, 0.2831, 0.2088

Rectangle

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



33.1990, 0.4991, 0.3708



33.1990, 0.4304, 0.4772



33.1990, 0.1559, 0.2431



33.1990, 0.1911, 0.1910

Sweetspot

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



33.2008, 0.4991, 0.3708



75.3981, 0.3501, 0.3426



28.6502, 0.3643, 0.2101



15.4899, 0.3565, 0.3447



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.



33.2008, 0.4991, 0.3708



31.4367, 0.5508, 0.3699



60.9451, 0.4313, 0.4489



16.4288, 0.3287, 0.3352



12.2439, 0.6053, 0.3576



1.1748, 0.5797, 0.3779

Inverse Universe

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



48.9238, 0.2212, 0.2731



50.0786, 0.2101, 0.2599



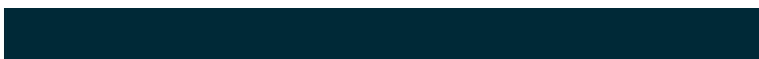
21.5578, 0.1943, 0.1615



17.1908, 0.2981, 0.3227



20.9776, 0.2006, 0.2422



1.9054, 0.2042, 0.2550

Previews

White Background



This preview shows how the Yxy color 33.1990, 0.4991, 0.3708 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 33.1990, 0.4991, 0.3708 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 33.1990, 0.4991, 0.3708

Background



This preview shows how black text looks on a background with the Yxy color 33.1990, 0.4991, 0.3708.



This preview shows how white text looks on a background with the Yxy color 33.1990, 0.4991, 0.3708.

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

33.1990, 0.4991, 0.3708

Protanopia

33.2076, 0.3888, 0.4217

Deuteranopia

33.3268, 0.4332, 0.4250



Tritanopia

33.0261, 0.4544, 0.3199

Trichromacy



Original Color

33.1990, 0.4991, 0.3708

Protanomaly

32.3869, 0.4283, 0.4021

Deuteranomaly

32.6887, 0.4582, 0.4036

Tritanomaly

32.9382, 0.4718, 0.3389

Monochromacy



Original Color

33.1990, 0.4991, 0.3708

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.1666, 0.3775, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1990, 0.4991, 0.3708 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(241, 122, 80)` looks like.

```
.text, #text, p{  
    color:rgb(241, 122, 80)  
}
```

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(241, 122, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 122, 80) }
```

Border

The CSS property to change the border of an element to Yxy 33.1990, 0.4991, 0.3708 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(241, 122, 80) }
```

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

```
.border{ border-color:rgb(241, 122, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 122, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 122, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 122, 80);  
box-shadow:4px 4px 4px 4px rgb(241, 122,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1990, 0.4991, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 122, 80) }
```

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

```
.background{ background-color: rgb(241,  
122, 80) }
```

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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