

Converting Colors

$Y_{xy}(33.1380, 0.4931, 0.4092)$

Have a look what the booklet for
Yxy(33.1380, 0.4931, 0.4092)
contains.

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Color

Yxy(33.1733, 0.4930, 0.4093)

Conversions

Conversions Part 1

Format	Color
Hex	E08637
RGB	224, 134, 55
RGB Percent	88%, 53%, 22%
CMY	0.1216, 0.4745, 0.7841
CMYK	0.00, 0.40, 0.75, 0.12
HSL	28°, 73%, 55%
HSV	28°, 75%, 88%
XYZ	39.9571, 33.1733, 7.9185
YIQ	151.9040, 78.9990, -5.4890

Conversions

Conversions Part 2

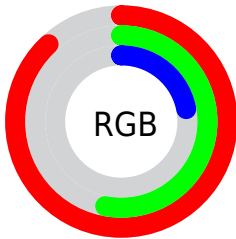
Format	Color
R _Y B	224, 203, 55
Decimal	14714423
CIE Lab	64.30, 28.44, 54.97
CIE LCh	64, 61.888, 62.647
Yxy	33.1733, 0.4930, 0.4093
Android (android.graphics.Color)	4292904503 (0xFFE08637)
YUV	151.9040, -47.7737, 63.2282
Hunter-Lab	57.5963, 23.0399, 32.1661

Details

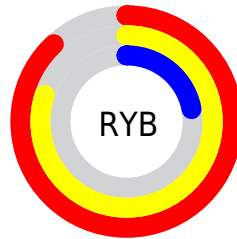
The Yxy color **33.1733, 0.4930, 0.4093** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.4645, 0.1998, 0.2101**, and the grayscale version is **31.5437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2670, 0.4363, 0.4112**, and **13.9730, 0.5367, 0.4121** is the 20% darker color. If you saturate the color by 10%, you get **29.8918, 0.5199, 0.4092**, and if you desaturate by 10%, it is **36.9280, 0.4641, 0.4045**.

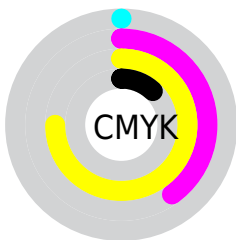
Distribution



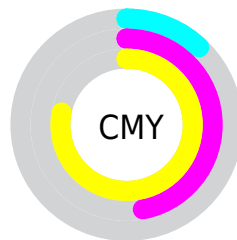
- Red (88%)
- Green (53%)
- Blue (22%)



- Red (88%)
- Yellow (80%)
- Blue (22%)



- Cyan (0%)
- Magenta (40%)
- Yellow (75%)
- Black (12%)





- Cyan (12%)
- Magenta (47%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1733, 0.4930, 0.4093 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 33.1733, 0.4930, 0.4093 by changing the saturation by 10% instead.


 33.1733, 0.4930,
0.4093

 33.1733, 0.4930,
0.4093


316.4299, 0.4020,
0.3774

 22.2592, 0.5137,
0.4129


 64.6460, 0.4609,
0.4006

 14.0475, 0.5381,
0.4146


 85.9734, 0.4485,
0.3964

 8.1537, 0.5705,
0.4147


 111.5408, 0.4378,
0.3925

 4.1935, 0.5996,
0.4004

 141.7324, 0.4287,
0.3889

 1.7824, 0.6318,
0.3682

 176.9327, 0.4207,
0.3856

 0.4761, 0.7134,
0.2866

 217.5262, 0.4137,

 0.0000, 1.0000,

0.3826

0.0000

263.8971, 0.4075,
0.3799

■ 0.0000, 0.0000,
0.0000

■ 33.1733, 0.4930,
0.4093

■ 33.1733, 0.4930,
0.4093

■ 29.8918, 0.5199,
0.4092

■ 36.9280, 0.4641,
0.4045

■ 27.0515, 0.5428,
0.4035


■ 41.1741, 0.4350,
0.3959

■ 25.8843, 0.5522,
0.3997

■ 45.9345, 0.4073,
0.3849


■ 51.2290, 0.3818,
0.3726

■ 57.0759, 0.3590,
0.3598

 63.4926, 0.3388,
0.3473

 70.4957, 0.3213,
0.3352

 78.1008, 0.3060,
0.3239

 86.2157, 0.2937,
0.3151

Harmonies

Analogous

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



33.1733, 0.4952, 0.3421



33.1733, 0.4930, 0.4093



33.1733, 0.4390, 0.4735

Triad

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



33.1733, 0.4930, 0.4093



33.1733, 0.1962, 0.3725



33.1733, 0.2461, 0.1964

Complementary

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



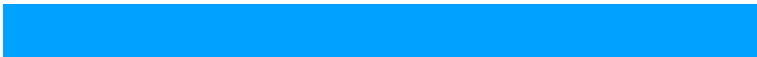
33.1733, 0.4930, 0.4093



26.4645, 0.1998, 0.2101

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.



33.1733, 0.1849, 0.1898



33.1733, 0.4930, 0.4093



33.1733, 0.1590, 0.2729

Square

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



33.1733, 0.4930, 0.4093



33.1733, 0.2679, 0.4735



33.1733, 0.1562, 0.2126



33.1733, 0.3372, 0.2280

Rectangle

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



33.1733, 0.4930, 0.4093



33.1733, 0.3860, 0.5030



33.1733, 0.1562, 0.2126



33.1733, 0.2219, 0.1912

Sweetspot

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



33.1750, 0.4930, 0.4093



78.4417, 0.3542, 0.3570



20.6350, 0.4292, 0.2379



16.1468, 0.3620, 0.3616



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.



33.1750, 0.4930, 0.4093



37.6571, 0.5347, 0.4063



66.4600, 0.4146, 0.4868



14.7511, 0.3280, 0.3400



15.2918, 0.5497, 0.4017



1.2380, 0.5245, 0.4217

Inverse Universe

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



26.4645, 0.1998, 0.2101



28.1348, 0.1851, 0.1810



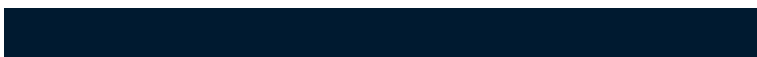
9.5002, 0.1709, 0.0973



14.4463, 0.2981, 0.3178



11.0905, 0.1804, 0.1694



0.9475, 0.1878, 0.1959

Previews

White Background



This preview shows how the Yxy color 33.1733, 0.4930, 0.4093 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 33.1733, 0.4930, 0.4093 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 33.1733, 0.4930, 0.4093

Background



This preview shows how black text looks on a background with the Yxy color 33.1733, 0.4930, 0.4093.



This preview shows how white text looks on a background with the Yxy color 33.1733, 0.4930, 0.4093.

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

33.1733, 0.4930, 0.4093

Protanopia

33.4495, 0.4154, 0.4577

Deuteranopia

33.1459, 0.4542, 0.4437



Tritanopia

33.1650, 0.4214, 0.3189

Trichromacy



Original Color

33.1733, 0.4930, 0.4093

Protanomaly

33.0171, 0.4434, 0.4399

Deuteranomaly

33.0147, 0.4684, 0.4308

Tritanomaly

33.0720, 0.4530, 0.3556

Monochromacy



Original Color

33.1733, 0.4930, 0.4093

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.0001, 0.3781, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1733, 0.4930, 0.4093 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(224, 134, 55)` looks like.

```
.text, #text, p{  
    color:rgb(224, 134, 55)  
}
```

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(224, 134, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 134, 55) }
```

Border

The CSS property to change the border of an element to Yxy 33.1733, 0.4930, 0.4093 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(224, 134, 55) }
```

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

```
.border{ border-color:rgb(224, 134, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 134, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 134, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 134, 55);  
box-shadow:4px 4px 4px 4px rgb(224, 134,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1733, 0.4930, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 134, 55) }
```

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

```
.background{ background-color: rgb(224,  
134, 55) }
```

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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