

# Converting Colors

$Y_{xy}(32.9224, 0.4931, 0.3989)$

Have a look what the booklet for  
Yxy(32.9224, 0.4931, 0.3989)  
contains.

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# Color

**Yxy(32.9224, 0.4931, 0.3989)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E3833F
RGB	227, 131, 63
RGB Percent	89%, 51%, 25%
CMY	0.1097, 0.4863, 0.7529
CMYK	0.00, 0.42, 0.72, 0.11
HSL	25°, 75%, 57%
HSV	25°, 72%, 89%
XYZ	40.6970, 32.9224, 8.9136
YIQ	151.9520, 79.0440, -0.7960

# Conversions

## Conversions Part 2

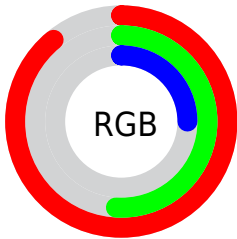
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 179, 63
Decimal	14910271
CIE <sub>Lab</sub>	64.10, 31.61, 51.26
CIE <sub>LCh</sub>	64, 60.221, 58.340
Yxy	32.9224, 0.4931, 0.3989
Android (android.graphics.Color)	4293100351 (0xFFE3833F)
YUV	151.9520, -43.8533, 65.8171
Hunter-Lab	57.3780, 26.1946, 30.9541

# Details

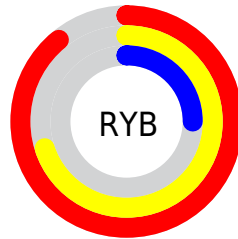
The Yxy color **32.9224, 0.4931, 0.3989** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **31.4129, 0.2067, 0.2293**, and the grayscale version is **31.5460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1728, 0.4324, 0.4012**, and **13.8640, 0.5410, 0.4023** is the 20% darker color. If you saturate the color by 10%, you get **29.3763, 0.5235, 0.3993**, and if you desaturate by 10%, it is **37.0346, 0.4613, 0.3939**.

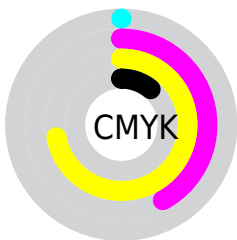
# Distribution



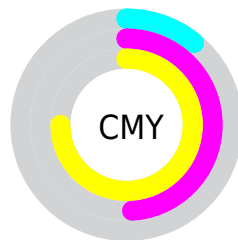
- Red (89%)
- Green (51%)
- Blue (25%)



- Red (89%)
- Yellow (70%)
- Blue (25%)



- Cyan (0%)
- Magenta (42%)
- Yellow (72%)
- Black (11%)



- Cyan (11%)
- Magenta (49%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9224, 0.4931, 0.3989 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 32.9224, 0.4931, 0.3989 by changing the saturation by 10% instead.





 32.9224, 0.4931,  
0.3989


 32.9224, 0.4931,  
0.3989


315.2999, 0.4009,  
0.3717

 22.0670, 0.5147,  
0.4018


 64.2544, 0.4602,  
0.3916


 13.9061, 0.5407,  
0.4027


 85.4997, 0.4476,  
0.3881


 8.0554, 0.5734,  
0.4004


 110.9772, 0.4368,  
0.3847

 4.1304, 0.6114,  
0.3886

 141.0711, 0.4276,  
0.3816

 1.7468, 0.6464,  
0.3536

 176.1660, 0.4196,  
0.3788

 0.4537, 0.7348,  
0.2652

216.6462, 0.4126,

 0.0000, 1.0000,

0.3762

0.0000

262.8960, 0.4064,  
0.3738

■ 0.0000, 0.0000,  
0.0000

■ 32.9224, 0.4931,  
0.3989

■ 32.9224, 0.4931,  
0.3989

■ 29.3763, 0.5235,  
0.3993

■ 37.0346, 0.4613,  
0.3939

■ 26.3600, 0.5502,  
0.3943


■ 41.7355, 0.4304,  
0.3857


■ 24.3577, 0.5677,  
0.3874


■ 47.0524, 0.4016,  
0.3754


■ 53.0091, 0.3757,  
0.3643

■ 59.6278, 0.3530,  
0.3529

 66.9297, 0.3332,  
0.3418

 74.9348, 0.3162,  
0.3313

 83.6624, 0.3016,  
0.3215

 92.3111, 0.2957,  
0.3246

# Harmonies

## Analogous

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



32.9224, 0.4860, 0.3331



32.9224, 0.4931, 0.3989



32.9224, 0.4466, 0.4629

# Triad

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



32.9224, 0.4931, 0.3989



32.9224, 0.2071, 0.3871



32.9224, 0.2370, 0.1964

# Complementary

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



32.9224, 0.4931, 0.3989



31.4129, 0.2067, 0.2293

# 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.



32.9224, 0.1814, 0.1938



32.9224, 0.4931, 0.3989



32.9224, 0.1651, 0.2864

# Square

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



32.9224, 0.4931, 0.3989



32.9224, 0.2813, 0.4794



32.9224, 0.1577, 0.2213



32.9224, 0.3228, 0.2242



# Rectangle

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



32.9224, 0.4931, 0.3989



32.9224, 0.3969, 0.4947



32.9224, 0.1577, 0.2213



32.9224, 0.2148, 0.1926

# Sweetspot

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



32.9241, 0.4931, 0.3989



77.7033, 0.3527, 0.3528



22.4782, 0.4052, 0.2281



16.1093, 0.3586, 0.3558



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.



32.9241, 0.4931, 0.3989



36.0656, 0.5384, 0.3973



63.0924, 0.4200, 0.4750



15.3445, 0.3282, 0.3388



14.4205, 0.5651, 0.3895



1.2453, 0.5390, 0.4103

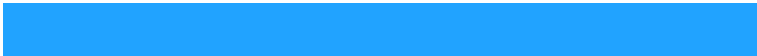


# Inverse Universe

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



31.4129, 0.2067, 0.2293



33.7546, 0.1927, 0.2046



12.2557, 0.1784, 0.1166



15.2824, 0.2981, 0.3190



13.2380, 0.1854, 0.1876



1.1605, 0.1918, 0.2103



# Previews

## White Background



This preview shows how the Yxy color 32.9224, 0.4931, 0.3989 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 32.9224, 0.4931, 0.3989 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 32.9224, 0.4931, 0.3989**

## Background



This preview shows how black text looks on a background with the Yxy color 32.9224, 0.4931, 0.3989.



This preview shows how white text looks on a background with the Yxy color 32.9224, 0.4931, 0.3989.

# 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

32.9224, 0.4931, 0.3989

### Protanopia

33.1034, 0.4089, 0.4478

### Deuteranopia

32.9546, 0.4471, 0.4385



## Tritanopia

32.8208, 0.4297, 0.3191

# Trichromacy



## Original Color

32.9224, 0.4931, 0.3989

## Protanomaly

32.6101, 0.4406, 0.4297

## Deuteranomaly

32.7941, 0.4641, 0.4234

## Tritanomaly

32.8062, 0.4570, 0.3507

# Monochromacy



## Original Color

32.9224, 0.4931, 0.3989

## Achromatopsia

31.3989, 0.3127, 0.3290

## Achromatomaly

30.8863, 0.3764, 0.3639

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.9224, 0.4931, 0.3989 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(227, 131, 63)` looks like.

```
.text, #text, p{  
    color:rgb(227, 131, 63)  
}
```

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(227, 131, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 131, 63) }
```

## Border

The CSS property to change the border of an element to Yxy 32.9224, 0.4931, 0.3989 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(227, 131, 63) }
```

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

```
.border{ border-color:rgb(227, 131, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 131, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 131, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 131, 63);  
box-shadow:4px 4px 4px 4px rgb(227, 131,  
63) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.9224, 0.4931, 0.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 131, 63) }
```

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

```
.background{ background-color: rgb(227,  
131, 63) }
```

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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