

# Converting Colors

$Y_{xy}(26.7934, 0.5005, 0.3554)$

Have a look what the booklet for  
Yxy(26.7934, 0.5005, 0.3554)  
contains.

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**Color**

**Yxy(26.6899, 0.5007, 0.3559)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E16950
RGB	225, 105, 80
RGB Percent	88%, 41%, 31%
CMY	0.1177, 0.5882, 0.6864
CMYK	0.00, 0.53, 0.64, 0.12
HSL	10°, 71%, 60%
HSV	10°, 64%, 88%
XYZ	37.5488, 26.6899, 10.7540
YIQ	138.0300, 79.5450, 17.6650

# Conversions

## Conversions Part 2

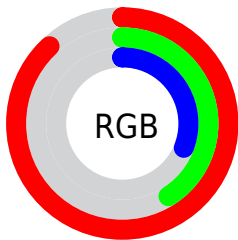
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 110, 80
Decimal	14772560
CIE <sub>Lab</sub>	58.69, 44.96, 36.32
CIE <sub>LCh</sub>	59, 57.795, 38.936
Yxy	26.6899, 0.5007, 0.3559
Android (android.graphics.Color)	4292962640 (0xFFE16950)
YUV	138.0300, -28.6088, 76.2727
Hunter-Lab	51.6623, 39.3273, 23.8219

# Details

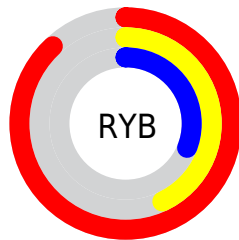
The Yxy color **26.6899, 0.5007, 0.3559** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **48.4214, 0.2281, 0.2943**, and the grayscale version is **25.5165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6680, 0.4348, 0.3594**, and **10.4640, 0.5621, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **23.0266, 0.5434, 0.3558**, and if you desaturate by 10%, it is **31.2971, 0.4590, 0.3536**.

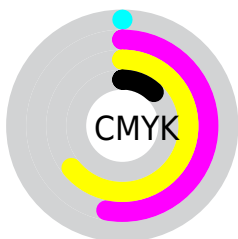
# Distribution



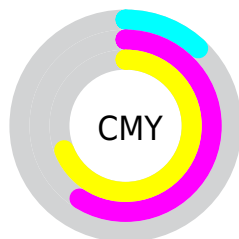
- Red (88%)
- Green (41%)
- Blue (31%)



- Red (88%)
- Yellow (43%)
- Blue (31%)



- Cyan (0%)
- Magenta (53%)
- Yellow (64%)
- Black (12%)




- Cyan (12%)
- Magenta (59%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6899, 0.5007, 0.3559 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 26.6899, 0.5007, 0.3559 by changing the saturation by 10% instead.



 26.6899, 0.5007,  
0.3559


 26.6899, 0.5007,  
0.3559


286.1525, 0.3989,  
0.3491


 17.3405, 0.5274,  
0.3543


 54.3859, 0.4624,  
0.3556


 10.4775, 0.5615,  
0.3499


 73.5012, 0.4484,  
0.3548

 5.7167, 0.6058,  
0.3397

 96.6406, 0.4366,  
0.3538

 2.6736, 0.6765,  
0.3235

 124.1884, 0.4267,  
0.3528

 0.9638, 0.7323,  
0.2677

 156.5292, 0.4182,  
0.3518

 0.0000, 1.0000,  
0.0000

194.0472, 0.4109,

 0.0000, 0.0000,

0.3508

0.0000

237.1268, 0.4045,  
0.3499

■ 26.6899, 0.5007,  
0.3559

■ 26.6899, 0.5007,  
0.3559

■ 23.0266, 0.5434,  
0.3558

■ 31.2971, 0.4590,  
0.3536

■ 20.2366, 0.5822,  
0.3527

■ 36.9038, 0.4213,  
0.3497

■ 18.2458, 0.6120,  
0.3465


■ 43.5660, 0.3887,  
0.3451

■ 17.4492, 0.6240,  
0.3427

■ 51.3346, 0.3613,  
0.3402

■ 60.2569, 0.3386,  
0.3354

 70.3776, 0.3199,  
0.3309

 81.7389, 0.3046,  
0.3267

 94.0578, 0.2946,  
0.3279

 94.7469, 0.2946,  
0.3289

# Harmonies

## Analogous

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



26.6899, 0.4525, 0.2917



26.6899, 0.5007, 0.3559



26.6899, 0.4858, 0.4237

# Triad

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



26.6899, 0.5007, 0.3559



26.6899, 0.2503, 0.4565



26.6899, 0.1945, 0.1885

# Complementary

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



26.6899, 0.5007, 0.3559



48.4214, 0.2281, 0.2943

# 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.



26.6899, 0.1592, 0.2046



26.6899, 0.5007, 0.3559



26.6899, 0.1849, 0.3494

# Square

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



26.6899, 0.5007, 0.3559



26.6899, 0.3379, 0.5092



26.6899, 0.1552, 0.2564



26.6899, 0.2628, 0.2007



# Rectangle

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



26.6899, 0.5007, 0.3559



26.6899, 0.4481, 0.4668



26.6899, 0.1552, 0.2564



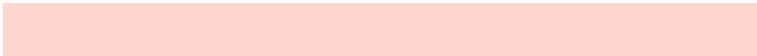
26.6899, 0.1792, 0.1904

# Sweetspot

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



26.6914, 0.5007, 0.3559



74.3028, 0.3486, 0.3376



25.9470, 0.3466, 0.2024



15.1841, 0.3553, 0.3390



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.



26.6914, 0.5007, 0.3559



29.3252, 0.5560, 0.3552



47.8918, 0.4364, 0.4341



14.0813, 0.3288, 0.3331



10.1729, 0.6219, 0.3444



0.8211, 0.5941, 0.3665



# Inverse Universe

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



48.4214, 0.2281, 0.2943



59.8954, 0.2183, 0.2861



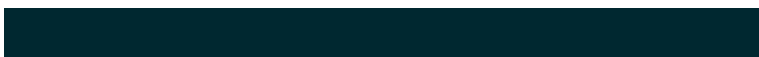
22.6577, 0.2027, 0.1863



15.1483, 0.2982, 0.3249



23.5537, 0.2092, 0.2731

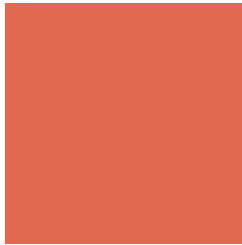


1.7402, 0.2119, 0.2826



# Previews

## White Background



This preview shows how the Yxy color 26.6899, 0.5007, 0.3559 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6899, 0.5007, 0.3559 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 26.6899, 0.5007, 0.3559**

## Background



This preview shows how black text looks on a background with the Yxy color 26.6899, 0.5007, 0.3559.



This preview shows how white text looks on a background with the Yxy color 26.6899, 0.5007, 0.3559.

# 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

26.6899, 0.5007, 0.3559

### Protanopia

27.0242, 0.3761, 0.4062

### Deuteranopia

26.8210, 0.4248, 0.4165



## Tritanopia

26.7210, 0.4701, 0.3218

# Trichromacy



**Original Color**

26.6899, 0.5007, 0.3559

**Protanomaly**

26.1251, 0.4213, 0.3865

**Deuteranomaly**

26.2746, 0.4547, 0.3917

**Tritanomaly**

26.5533, 0.4818, 0.3339

# Monochromacy



**Original Color**

26.6899, 0.5007, 0.3559

**Achromatopsia**

25.4152, 0.3127, 0.3290

**Achromatomaly**

24.7521, 0.3776, 0.3430

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.6899, 0.5007, 0.3559 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(225, 105, 80)` looks like.

```
.text, #text, p{  
    color:rgb(225, 105, 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(225, 105, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 105, 80) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6899, 0.5007, 0.3559 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(225, 105, 80) }
```

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

```
.border{ border-color:rgb(225, 105, 80) }
```

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

Here you see how a box with a 4 pixel rgb(225, 105, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 105, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 105, 80);  
box-shadow:4px 4px 4px 4px rgb(225, 105,  
80) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.6899, 0.5007, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 105, 80) }
```

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

```
.background{ background-color: rgb(225,  
105, 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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