

# Converting Colors

Yxy(28.2044, 0.5177, 0.3552)

Have a look what the booklet for  
Yxy(28.2044, 0.5177, 0.3552)  
contains.

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**Color**

**Yxy(28.2268, 0.5172, 0.3554)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ED674C
RGB	237, 103, 76
RGB Percent	93%, 40%, 30%
CMY	0.0706, 0.5960, 0.7020
CMYK	0.00, 0.57, 0.68, 0.07
HSL	10°, 82%, 61%
HSV	10°, 68%, 93%
XYZ	41.0774, 28.2268, 10.1184
YIQ	139.9880, 88.5310, 20.0110

# Conversions

## Conversions Part 2

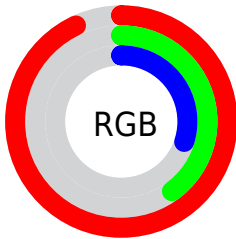
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 108, 76
Decimal	15558476
CIE <sub>Lab</sub>	60.09, 50.04, 40.60
CIE <sub>LCh</sub>	60, 64.443, 39.057
Yxy	28.2268, 0.5172, 0.3554
Android (android.graphics.Color)	4293748556 (0xFFED674C)
YUV	139.9880, -31.5461, 85.0795
Hunter-Lab	53.1289, 45.0343, 25.8984

# Details

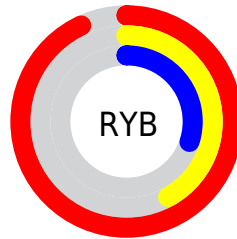
The Yxy color **28.2268, 0.5172, 0.3554** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **53.7249, 0.2253, 0.2930**, and the grayscale version is **26.3215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2201, 0.4393, 0.3624**, and **11.3216, 0.5800, 0.3462** is the 20% darker color. If you saturate the color by 10%, you get **24.4854, 0.5594, 0.3542**, and if you desaturate by 10%, it is **33.0178, 0.4744, 0.3539**.

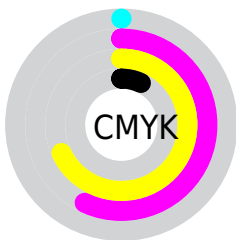
# Distribution



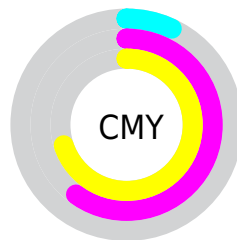
- Red (93%)
- Green (40%)
- Blue (30%)



- Red (93%)
- Yellow (42%)
- Blue (30%)



- Cyan (0%)
- Magenta (57%)
- Yellow (68%)
- Black (7%)




- Cyan (7%)
- Magenta (60%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2268, 0.5172, 0.3554 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 28.2268, 0.5172, 0.3554 by changing the saturation by 10% instead.




 28.2268, 0.5172,  
0.3554

 28.2268, 0.5172,  
0.3554


293.5491, 0.4081,  
0.3506


 18.4967, 0.5448,  
0.3528


 56.8463, 0.4768,  
0.3563


 11.3072, 0.5795,  
0.3468


 76.5046, 0.4618,  
0.3558


 6.2738, 0.6236,  
0.3344


 100.2409, 0.4492,  
0.3550

 3.0123, 0.6869,  
0.3131

 128.4399, 0.4384,  
0.3542

 1.1382, 0.7414,  
0.2586

 161.4858, 0.4292,  
0.3533

 0.0103, 0.9921,  
0.0079

199.7630, 0.4212,


 0.0000, 1.0000,


0.3523

0.0000

243.6560, 0.4143,  
0.3515

 0.0000, 0.0000,  
0.0000


 28.2268, 0.5172,  
0.3554


 28.2268, 0.5172,  
0.3554


 24.4854, 0.5594,  
0.3542


 33.0178, 0.4744,  
0.3539

 21.7087, 0.5956,  
0.3499


 38.9252, 0.4347,  
0.3506

 19.8042, 0.6210,  
0.3431


 46.0158, 0.4000,  
0.3463

 19.5061, 0.6251,  
0.3418

 54.3496, 0.3706,  
0.3416

 63.9826, 0.3461,  
0.3369

 74.9673, 0.3261,  
0.3324

 87.3534, 0.3096,  
0.3282

 96.7430, 0.3017,  
0.3290

# Harmonies

## Analogous

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



28.2268, 0.4658, 0.2879



28.2268, 0.5172, 0.3554



28.2268, 0.4984, 0.4278

# Triad

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



28.2268, 0.5172, 0.3554



28.2268, 0.2432, 0.4700



28.2268, 0.1857, 0.1783

# Complementary

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



28.2268, 0.5172, 0.3554



53.7249, 0.2253, 0.2930

# 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.



28.2268, 0.1485, 0.1944



28.2268, 0.5172, 0.3554



28.2268, 0.1740, 0.3498

# Square

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



28.2268, 0.5172, 0.3554



28.2268, 0.3370, 0.5271



28.2268, 0.1438, 0.2485



28.2268, 0.2585, 0.1916



# Rectangle

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



28.2268, 0.5172, 0.3554



28.2268, 0.4563, 0.4755



28.2268, 0.1438, 0.2485



28.2268, 0.1696, 0.1801

# Sweetspot

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



28.2284, 0.5172, 0.3554



72.9878, 0.3510, 0.3379



27.8312, 0.3490, 0.1976



14.9217, 0.3577, 0.3392



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.



28.2284, 0.5172, 0.3554



27.3417, 0.5763, 0.3527



52.5252, 0.4438, 0.4380



15.4626, 0.3289, 0.3330



10.7784, 0.6229, 0.3436



0.9670, 0.5986, 0.3629



# Inverse Universe

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



53.7249, 0.2253, 0.2930



58.9313, 0.2158, 0.2843



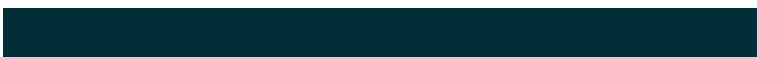
23.5238, 0.1970, 0.1769



16.6664, 0.2981, 0.3249



25.3611, 0.2096, 0.2747

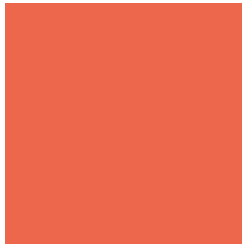


2.1055, 0.2119, 0.2830



# Previews

## White Background



This preview shows how the Yxy color 28.2268, 0.5172, 0.3554 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 28.2268, 0.5172, 0.3554 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

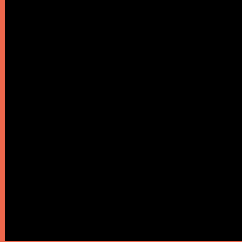
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.2268, 0.5172, 0.3554**

## Background



This preview shows how black text looks on a background with the Yxy color 28.2268, 0.5172, 0.3554.



This preview shows how white text looks on a background with the Yxy color 28.2268, 0.5172, 0.3554.

# 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

28.2268, 0.5172, 0.3554

### Protanopia

28.2752, 0.3820, 0.4136

### Deuteranopia

28.1903, 0.4324, 0.4239



## Tritanopia

28.1414, 0.4848, 0.3223

# Trichromacy



## Original Color

28.2268, 0.5172, 0.3554

## Protanomaly

27.2019, 0.4319, 0.3896

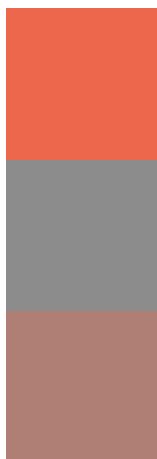
## Deuteranomaly

27.4145, 0.4654, 0.3947

## Tritanomaly

28.1177, 0.4983, 0.3345

# Monochromacy



## Original Color

28.2268, 0.5172, 0.3554

## Achromatopsia

26.2251, 0.3127, 0.3290

## Achromatomaly

25.5771, 0.3832, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.2268, 0.5172, 0.3554 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(237, 103, 76)` looks like.

```
.text, #text, p{  
  color:rgb(237, 103, 76)  
}
```

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(237, 103, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 103, 76) }
```

## Border

The CSS property to change the border of an element to Yxy 28.2268, 0.5172, 0.3554 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(237, 103, 76) }
```

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

```
.border{ border-color:rgb(237, 103, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 103, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 103, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 103, 76);  
box-shadow:4px 4px 4px 4px rgb(237, 103,  
76) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.2268, 0.5172, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 103, 76) }
```

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

```
.background{ background-color: rgb(237,  
103, 76) }
```

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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