

Converting Colors

$Y_{xy}(27.0277, 0.5400, 0.3812)$

Have a look what the booklet for
Yxy(27.0277, 0.5400, 0.3812)
contains.

Yxy(27.0714, 0.5401, 0.3812)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.0714, 0.5401, 0.3812)

Conversions

Conversions Part 1

Format	Color
Hex	E7682C
RGB	231, 104, 44
RGB Percent	91%, 41%, 17%
CMY	0.0942, 0.5921, 0.8273
CMYK	0.00, 0.55, 0.81, 0.09
HSL	19°, 80%, 54%
HSV	19°, 81%, 91%
XYZ	38.3559, 27.0714, 5.5890
YIQ	135.1330, 94.9520, 8.2640

Conversions

Conversions Part 2

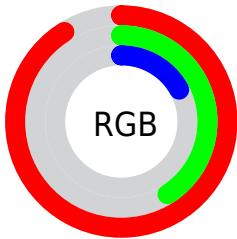
Format	Color
RYB	231, 132, 44
Decimal	15165484
CIELab	59.04, 46.04, 55.05
CIElCh	59, 71.765, 50.095
Yxy	27.0714, 0.5401, 0.3812
Android (android.graphics.Color)	4293355564 (0xFFE7682C)
YUV	135.1330, -44.9286, 84.0754
Hunter-Lab	52.0302, 40.5347, 30.0523

Details

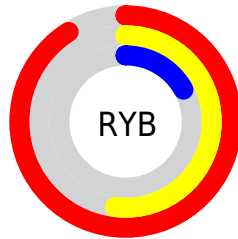
The Yxy color **27.0714, 0.5401, 0.3812** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **35.4245, 0.2052, 0.2422**, and the grayscale version is **24.4277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5219, 0.4676, 0.3921**, and **10.6925, 0.5941, 0.3665** is the 20% darker color. If you saturate the color by 10%, you get **24.0745, 0.5710, 0.3756**, and if you desaturate by 10%, it is **30.7553, 0.5048, 0.3819**.

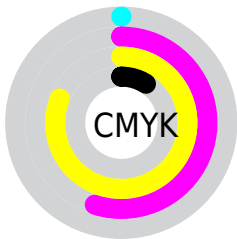
Distribution



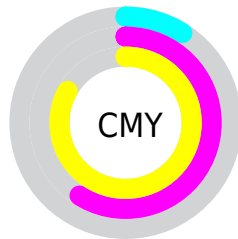
- Red (91%)
- Green (41%)
- Blue (17%)



- Red (91%)
- Yellow (52%)
- Blue (17%)



- Cyan (0%)
- Magenta (55%)
- Yellow (81%)
- Black (9%)





- Cyan (9%)
- Magenta (59%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0714, 0.5401, 0.3812 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 27.0714, 0.5401, 0.3812 by changing the saturation by 10% instead.


 27.0714, 0.5401,
0.3812


 27.0714, 0.5401,
0.3812


288.0027, 0.4220,
0.3679


 17.6269, 0.5674,
0.3783


 54.9984, 0.4980,
0.3806


 10.6824, 0.5997,
0.3706


 74.2497, 0.4818,
0.3791

 5.8537, 0.6428,
0.3572

 97.5386, 0.4679,
0.3772

 2.7563, 0.6786,
0.3214

 125.2497, 0.4561,
0.3752

 1.0059, 0.7340,
0.2660

 157.7672, 0.4458,
0.3733

 0.0000, 1.0000,
0.0000

 195.4756, 0.4368,

 0.0000, 0.0000,

0.3714

0.0000

238.7593, 0.4290,
0.3696

■ 27.0714, 0.5401,
0.3812

■ 27.0714, 0.5401,
0.3812

■ 24.0745, 0.5710,
0.3756

■ 30.7553, 0.5048,
0.3819


■ 21.9000, 0.5934,
0.3670


■ 35.1657, 0.4685,
0.3785


■ 40.3439, 0.4338,
0.3722

■ 46.3265, 0.4024,
0.3642

■ 53.1476, 0.3749,
0.3554

 60.8390, 0.3513,
0.3465

 69.4309, 0.3312,
0.3378

 78.9520, 0.3142,
0.3297

 89.4298, 0.2998,
0.3222

Harmonies

Analogous

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



27.0714, 0.5153, 0.3073



27.0714, 0.5401, 0.3812



27.0714, 0.4912, 0.4619

Triad

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



27.0714, 0.5401, 0.3812



27.0714, 0.2007, 0.4426



27.0714, 0.1970, 0.1662

Complementary

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



27.0714, 0.5401, 0.3812



35.4245, 0.2052, 0.2422

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.



27.0714, 0.1440, 0.1703



27.0714, 0.5401, 0.3812



27.0714, 0.1425, 0.3022

Square

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



27.0714, 0.5401, 0.3812



27.0714, 0.2961, 0.5452



27.0714, 0.1261, 0.2104



27.0714, 0.2908, 0.1910

Rectangle

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



27.0714, 0.5401, 0.3812



27.0714, 0.4337, 0.5140



27.0714, 0.1261, 0.2104



27.0714, 0.1750, 0.1642

Sweetspot

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



27.0729, 0.5401, 0.3812



72.9562, 0.3584, 0.3493



21.7591, 0.3970, 0.2093



14.8774, 0.3669, 0.3525



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.



27.0729, 0.5401, 0.3812



28.0977, 0.5875, 0.3693



56.9668, 0.4411, 0.4714



15.1192, 0.3284, 0.3366



12.4786, 0.5905, 0.3693



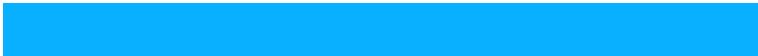
1.0853, 0.5620, 0.3920

Inverse Universe

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



35.4245, 0.2052, 0.2422



38.1720, 0.1954, 0.2220



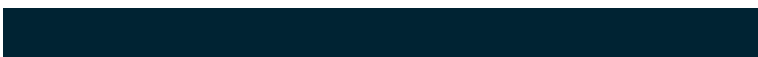
11.7962, 0.1703, 0.1103



15.5155, 0.2981, 0.3213



16.9620, 0.1947, 0.2209



1.4196, 0.1996, 0.2386

Previews

White Background



This preview shows how the Yxy color 27.0714, 0.5401, 0.3812 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 27.0714, 0.5401, 0.3812 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 27.0714, 0.5401, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 27.0714, 0.5401, 0.3812.



This preview shows how white text looks on a background with the Yxy color 27.0714, 0.5401, 0.3812.

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

27.0714, 0.5401, 0.3812

Protanopia

27.2822, 0.4165, 0.4584

Deuteranopia

27.0215, 0.4607, 0.4522



Tritanopia

27.0585, 0.4834, 0.3232

Trichromacy



Original Color

27.0714, 0.5401, 0.3812

Protanomaly

26.2451, 0.4641, 0.4284

Deuteranomaly

26.5546, 0.4922, 0.4240

Tritanomaly

26.8793, 0.5089, 0.3476

Monochromacy



Original Color

27.0714, 0.5401, 0.3812

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.9207, 0.3973, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0714, 0.5401, 0.3812 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(231, 104, 44)` looks like.

```
.text, #text, p{  
    color:rgb(231, 104, 44)  
}
```

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(231, 104, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 104, 44) }
```

Border

The CSS property to change the border of an element to Yxy 27.0714, 0.5401, 0.3812 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(231, 104, 44) }
```

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

```
.border{ border-color:rgb(231, 104, 44) }
```

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

Here you see how a box with a 4 pixel rgb(231, 104, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 104, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 104, 44);  
box-shadow:4px 4px 4px 4px rgb(231, 104,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0714, 0.5401, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 104, 44) }
```

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

```
.background{ background-color: rgb(231,  
104, 44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor