

Converting Colors

$Y_{xy}(24.0563, 0.5801, 0.3776)$

Have a look what the booklet for
Yxy(24.0563, 0.5801, 0.3776)
contains.

Yxy(24.1400, 0.5796, 0.3780)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.1400, 0.5796, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	E95700
RGB	233, 87, 0
RGB Percent	91%, 34%, 0%
CMY	0.0862, 0.6588, 1.0000
CMYK	0.00, 0.63, 1.00, 0.09
HSL	22°, 100%, 46%
HSV	22°, 100%, 91%
XYZ	37.0147, 24.1400, 2.7078
YIQ	120.7360, 114.9430, 3.8950

Conversions

Conversions Part 2

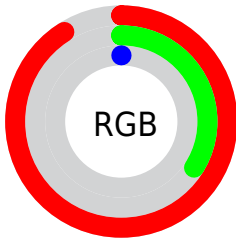
Format	Color
RYB	233, 139, 0
Decimal	15292160
CIELab	56.23, 53.80, 66.15
CIELCh	56, 85.271, 50.877
Yxy	24.1400, 0.5796, 0.3780
Android (android.graphics.Color)	4293482240 (0xFFE95700)
YUV	120.7360, -59.5228, 98.4555
Hunter-Lab	49.1325, 48.4938, 31.1252

Details

The Yxy color **24.1400, 0.5796, 0.3780** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **26.4443, 0.1889, 0.1999**, and the grayscale version is **19.1993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9762, 0.5041, 0.3984**, and **9.2655, 0.6226, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **24.1415, 0.5796, 0.3780**, and if you desaturate by 10%, it is **26.8126, 0.5555, 0.3871**.

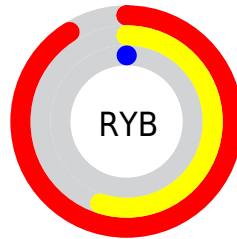
Distribution



Red (91%)

Green (34%)

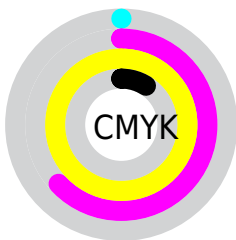
Blue (0%)



Red (91%)

Yellow (55%)

Blue (0%)

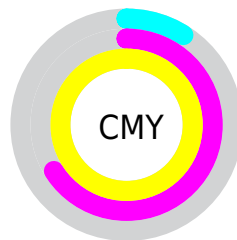


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1400, 0.5796, 0.3780 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 24.1400, 0.5796, 0.3780 by changing the saturation by 10% instead.


 24.1400, 0.5796,
0.3780


 24.1400, 0.5796,
0.3780


273.5275, 0.4443,
0.3743


 15.4375, 0.6078,
0.3695


 50.2586, 0.5334,
0.3835

 9.1270, 0.6439,
0.3561


 68.4434, 0.5149,
0.3834


 4.8241, 0.6740,
0.3260

 90.5579, 0.4988,
0.3825

 2.1444, 0.7173,
0.2827

 116.9863, 0.4849,
0.3811

 0.6894, 0.7869,
0.2131

 148.1130, 0.4728,
0.3795


 0.0000, 1.0000,
0.0000


 184.3226, 0.4621,


 0.0000, 0.0000,


0.3777

0.0000


 225.9993, 0.4527,
0.3760

 24.1400, 0.5796,
0.3780

 24.1400, 0.5796,
0.3780

 24.1415, 0.5796,
0.3780

 26.8126, 0.5555,
0.3871

 30.0644, 0.5260,
0.3916

 33.9457, 0.4930,
0.3910

 38.4933, 0.4592,
0.3861

 43.7409, 0.4269,
0.3783

■ 49.7193, 0.3975,
0.3688

■ 56.4572, 0.3714,
0.3586

■ 63.9817, 0.3487,
0.3483

■ 72.3183, 0.3293,
0.3384

Harmonies

Analogous

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



24.1400, 0.5615, 0.2982



24.1400, 0.5796, 0.3780



24.1400, 0.5101, 0.4724

Triad

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



24.1400, 0.5796, 0.3780



24.1400, 0.1724, 0.4672



24.1400, 0.1781, 0.1417

Complementary

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



24.1400, 0.5796, 0.3780



26.4443, 0.1889, 0.1999

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.



24.1400, 0.1196, 0.1437



24.1400, 0.5796, 0.3780



24.1400, 0.1123, 0.2867

Square

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



24.1400, 0.5796, 0.3780



24.1400, 0.2790, 0.6011



24.1400, 0.0988, 0.1836



24.1400, 0.2875, 0.1697

Rectangle

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



24.1400, 0.5796, 0.3780



24.1400, 0.4384, 0.5409



24.1400, 0.0988, 0.1836



24.1400, 0.1536, 0.1389

Sweetspot

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



24.1415, 0.5796, 0.3780



69.1508, 0.3717, 0.3587



19.4497, 0.4427, 0.2212



14.0277, 0.3824, 0.3631



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.



24.1415, 0.5796, 0.3780



29.4824, 0.5804, 0.3773



59.5385, 0.4453, 0.4846



15.9754, 0.3283, 0.3378



13.9158, 0.5768, 0.3802



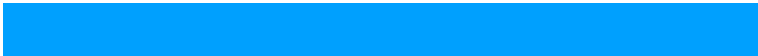
1.2720, 0.5507, 0.4009

Inverse Universe

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



26.4443, 0.1889, 0.1999



32.2886, 0.1887, 0.1992



6.8672, 0.1525, 0.0689



16.1218, 0.2981, 0.3200



15.2493, 0.1895, 0.2020



1.3810, 0.1949, 0.2216

Previews

White Background



This preview shows how the Yxy color 24.1400, 0.5796, 0.3780 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 24.1400, 0.5796, 0.3780 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 24.1400, 0.5796, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 24.1400, 0.5796, 0.3780.



This preview shows how white text looks on a background with the Yxy color 24.1400, 0.5796, 0.3780.

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

24.1400, 0.5796, 0.3780

Protanopia

24.3497, 0.4325, 0.4805

Deuteranopia

24.3584, 0.4703, 0.4648



Tritanopia

24.2189, 0.5217, 0.3249

Trichromacy



Original Color

24.1400, 0.5796, 0.3780

Protanomaly

22.8151, 0.4933, 0.4392

Deuteranomaly

23.5040, 0.5156, 0.4288

Tritanomaly

23.9548, 0.5553, 0.3527

Monochromacy



Original Color

24.1400, 0.5796, 0.3780

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.1545, 0.4304, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1400, 0.5796, 0.3780 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(233, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 87, 0)  
}
```

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(233, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 87, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.1400, 0.5796, 0.3780 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(233, 87, 0) }
```

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

```
.border{ border-color:rgb(233, 87, 0) }
```

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

Here you see how a box with a 4 pixel rgb(233, 87, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 87, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.1400, 0.5796, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 87, 0) }
```

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

```
.background{ background-color: rgb(233, 87,  
0) }
```

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