

Converting Colors

$Y_{xy}(23.9589, 0.5890, 0.3683)$

Have a look what the booklet for
Yxy(23.9589, 0.5890, 0.3683)
contains.

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Color

Yxy(24.1012, 0.5887, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	EF5006
RGB	239, 80, 6
RGB Percent	94%, 31%, 2%
CMY	0.0628, 0.6861, 0.9769
CMYK	0.00, 0.67, 0.98, 0.06
HSL	19°, 95%, 48%
HSV	19°, 98%, 94%
XYZ	38.4926, 24.1012, 2.7920
YIQ	119.1050, 118.5180, 10.6940

Conversions

Conversions Part 2

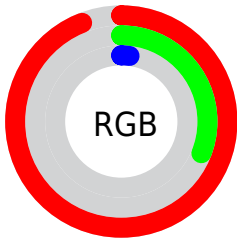
Format	Color
R_{YB}	239, 114, 6
Decimal	15683590
CIE _{Lab}	56.19, 58.77, 65.49
CIE _{LCh}	56, 87.990, 48.095
Yxy	24.1012, 0.5887, 0.3686
Android (android.graphics.Color)	4293873670 (0xFFEF5006)
YUV	119.1050, -55.7608, 105.1479
Hunter-Lab	49.0930, 54.0448, 30.9932

Details

The Yxy color **24.1012, 0.5887, 0.3686** 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 **33.1156, 0.1955, 0.2227**, and the grayscale version is **18.6351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2736, 0.5079, 0.3907**, and **9.1723, 0.6365, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **23.5196, 0.5944, 0.3662**, and if you desaturate by 10%, it is **26.8661, 0.5624, 0.3774**.

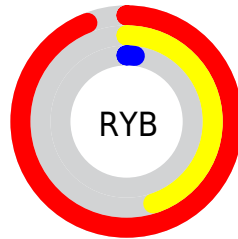
Distribution



Red (94%)

Green (31%)

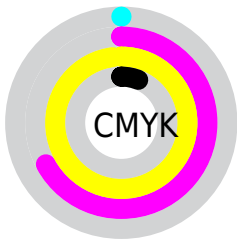
Blue (2%)



Red (94%)

Yellow (45%)

Blue (2%)

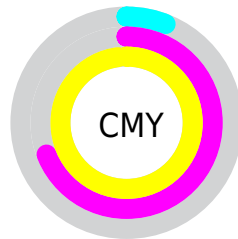


Cyan (0%)

Magenta (67%)

Yellow (98%)

Black (6%)



Cyan (6%)


Magenta (69%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1012, 0.5887, 0.3686 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 24.1012, 0.5887, 0.3686 by changing the saturation by 10% instead.


 24.1012, 0.5887,
0.3686

 24.1012, 0.5887,
0.3686


273.3317, 0.4485,
0.3704


 15.4087, 0.6181,
0.3588


 50.1953, 0.5407,
0.3761


 9.1067, 0.6560,
0.3440


 68.3657, 0.5214,
0.3768


 4.8109, 0.6877,
0.3123

 90.4642, 0.5048,
0.3765

 2.1367, 0.7328,
0.2672

 116.8751, 0.4904,
0.3757

 0.6852, 0.8034,
0.1966

 147.9830, 0.4779,
0.3745

 0.0000, 1.0000,
0.0000


 184.1721, 0.4668,


 0.0000, 0.0000,


0.3732

0.0000


 225.8269, 0.4571,
0.3718


 24.1012, 0.5887,
0.3686


 24.1012, 0.5887,
0.3686


 23.5196, 0.5944,
0.3662

 26.8661, 0.5624,
0.3774

 30.3376, 0.5295,
0.3814

 34.5711, 0.4933,
0.3807

 39.6133, 0.4571,
0.3763

 45.5066, 0.4232,
0.3693

■ 52.2901, 0.3930,
0.3610

■ 60.0003, 0.3666,
0.3522

■ 68.6716, 0.3441,
0.3434

■ 78.3365, 0.3251,
0.3350

Harmonies

Analogous

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



24.1012, 0.5613, 0.2891



24.1012, 0.5887, 0.3686



24.1012, 0.5221, 0.4634

Triad

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



24.1012, 0.5887, 0.3686



24.1012, 0.1765, 0.4906



24.1012, 0.1673, 0.1367

Complementary

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



24.1012, 0.5887, 0.3686



33.1156, 0.1955, 0.2227

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.



24.1012, 0.1123, 0.1415



24.1012, 0.5887, 0.3686



24.1012, 0.1110, 0.2988

Square

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



24.1012, 0.5887, 0.3686



24.1012, 0.2874, 0.6143



24.1012, 0.0943, 0.1860



24.1012, 0.2737, 0.1623

Rectangle

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



24.1012, 0.5887, 0.3686



24.1012, 0.4500, 0.5348



24.1012, 0.0943, 0.1860



24.1012, 0.1441, 0.1348

Sweetspot

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



24.1026, 0.5887, 0.3686



68.0581, 0.3705, 0.3536



21.1974, 0.4196, 0.2095



13.7357, 0.3815, 0.3574



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.



24.1026, 0.5887, 0.3686



27.1631, 0.5950, 0.3657



57.9503, 0.4550, 0.4758



16.5795, 0.3285, 0.3366



13.2085, 0.5916, 0.3685



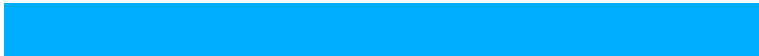
1.2713, 0.5659, 0.3888

Inverse Universe

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



33.1156, 0.1955, 0.2227



37.4447, 0.1943, 0.2194



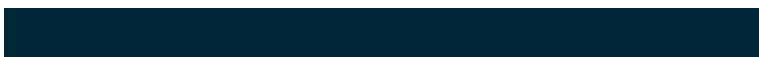
8.4333, 0.1556, 0.0784



17.0315, 0.2981, 0.3213



18.1597, 0.1949, 0.2217



1.6890, 0.1993, 0.2375

Previews

White Background



This preview shows how the Yxy color 24.1012, 0.5887, 0.3686 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 24.1012, 0.5887, 0.3686 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 24.1012, 0.5887, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 24.1012, 0.5887, 0.3686.



This preview shows how white text looks on a background with the Yxy color 24.1012, 0.5887, 0.3686.

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

24.1012, 0.5887, 0.3686

Protanopia

24.3583, 0.4317, 0.4793

Deuteranopia

24.0963, 0.4717, 0.4637



Tritanopia

24.1075, 0.5404, 0.3271

Trichromacy



Original Color

24.1012, 0.5887, 0.3686

Protanomaly

22.7281, 0.4979, 0.4330

Deuteranomaly

23.1090, 0.5214, 0.4233

Tritanomaly

24.0810, 0.5673, 0.3484

Monochromacy



Original Color

24.1012, 0.5887, 0.3686

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4397, 0.4341, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1012, 0.5887, 0.3686 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(239, 80, 6)` looks like.

```
.text, #text, p{  
    color:rgb(239, 80, 6)  
}
```

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(239, 80, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 80, 6) }
```

Border

The CSS property to change the border of an element to Yxy 24.1012, 0.5887, 0.3686 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(239, 80, 6) }
```

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

```
.border{ border-color:rgb(239, 80, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 80, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 80, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 80, 6);  
box-shadow:4px 4px 4px 4px rgb(239, 80, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.1012, 0.5887, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 80, 6) }
```

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

```
.background{ background-color: rgb(239, 80,  
6) }
```

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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