

Converting Colors

$Y_{xy}(23.7139, 0.5846, 0.3615)$

Have a look what the booklet for
Yxy(23.7139, 0.5846, 0.3615)
contains.

Yxy(23.7331, 0.5850, 0.3612)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7331, 0.5850, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	EF4D1A
RGB	239, 77, 26
RGB Percent	94%, 30%, 10%
CMY	0.0627, 0.6980, 0.8979
CMYK	0.00, 0.68, 0.89, 0.06
HSL	14°, 87%, 52%
HSV	14°, 89%, 94%
XYZ	38.4382, 23.7331, 3.5350
YIQ	119.6240, 112.9230, 18.4830

Conversions

Conversions Part 2

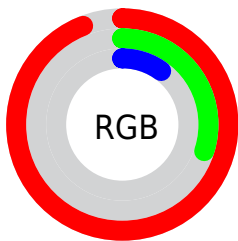
Format	Color
R_{YB}	239, 93, 26
Decimal	15682842
CIE _{Lab}	55.82, 60.19, 60.02
CIE _{LCh}	56, 85.001, 44.923
Yxy	23.7331, 0.5850, 0.3612
Android (android.graphics.Color)	4293872922 (0xFFEF4D1A)
YUV	119.6240, -46.1566, 104.6928
Hunter-Lab	48.7166, 55.5851, 29.7994

Details

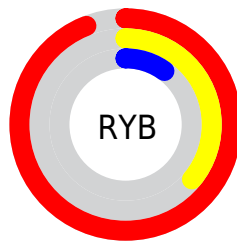
The Yxy color **23.7331, 0.5850, 0.3612** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **42.4377, 0.2067, 0.2580**, and the grayscale version is **18.7819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8603, 0.5013, 0.3809**, and **8.9987, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.4658, 0.6105, 0.3526**, and if you desaturate by 10%, it is **26.7991, 0.5507, 0.3664**.

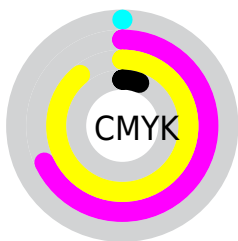
Distribution



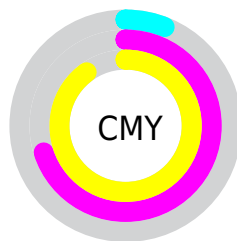
- Red (94%)
- Green (30%)
- Blue (10%)



- Red (94%)
- Yellow (36%)
- Blue (10%)



- Cyan (0%)
- Magenta (68%)
- Yellow (89%)
- Black (6%)





- Cyan (6%)
- Magenta (70%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7331, 0.5850, 0.3612 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 23.7331, 0.5850, 0.3612 by changing the saturation by 10% instead.


 23.7331, 0.5850,
0.3612


 23.7331, 0.5850,
0.3612


271.4683, 0.4439,
0.3643


 15.1358, 0.6162,
0.3519


 49.5943, 0.5355,
0.3685


 8.9147, 0.6573,
0.3381


 67.6270, 0.5161,
0.3693


 4.6856, 0.6929,
0.3071

 89.5735, 0.4995,
0.3692

 2.0640, 0.7390,
0.2610

 115.8183, 0.4852,
0.3686

 0.6443, 0.8124,
0.1876

 146.7458, 0.4727,
0.3677


 0.0000, 1.0000,
0.0000


 182.7404, 0.4619,


 0.0000, 0.0000,


0.3666


0.0000


 224.1864, 0.4523,
0.3655


 23.7331, 0.5850,
0.3612

 23.7331, 0.5850,
0.3612

 21.4658, 0.6105,
0.3526


 26.7991, 0.5507,
0.3664

 21.2963, 0.6125,
0.3519

 30.7361, 0.5114,
0.3675

 35.6088, 0.4714,
0.3651

 41.4743, 0.4340,
0.3603

 48.3850, 0.4007,
0.3542

■ 56.3895, 0.3722,
0.3476

■ 65.5330, 0.3481,
0.3409

■ 75.8584, 0.3280,
0.3345

■ 87.4063, 0.3113,
0.3285

Harmonies

Analogous

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



23.7331, 0.5450, 0.2831



23.7331, 0.5850, 0.3612



23.7331, 0.5288, 0.4523

Triad

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



23.7331, 0.5850, 0.3612



23.7331, 0.1904, 0.5049



23.7331, 0.1626, 0.1393

Complementary

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



23.7331, 0.5850, 0.3612



42.4377, 0.2067, 0.2580

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.



23.7331, 0.1125, 0.1478



23.7331, 0.5850, 0.3612



23.7331, 0.1196, 0.3173

Square

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



23.7331, 0.5850, 0.3612



23.7331, 0.3025, 0.6077



23.7331, 0.0982, 0.1976



23.7331, 0.2613, 0.1615

Rectangle

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



23.7331, 0.5850, 0.3612



23.7331, 0.4611, 0.5211



23.7331, 0.0982, 0.1976



23.7331, 0.1412, 0.1385

Sweetspot

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



23.7345, 0.5850, 0.3612



67.3466, 0.3670, 0.3462



22.7798, 0.3820, 0.1926



13.6842, 0.3760, 0.3485



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.



23.7345, 0.5850, 0.3612



24.5995, 0.6130, 0.3514



51.9697, 0.4661, 0.4609



16.3729, 0.3287, 0.3347



11.9375, 0.6099, 0.3539



1.1424, 0.5846, 0.3740

Inverse Universe

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



42.4377, 0.2067, 0.2580



45.7950, 0.2022, 0.2481



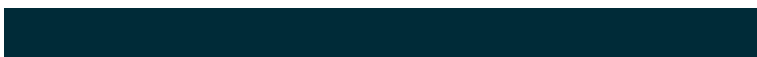
12.6138, 0.1663, 0.1099



17.2505, 0.2981, 0.3232



22.1027, 0.2027, 0.2498



1.9908, 0.2060, 0.2614

Previews

White Background



This preview shows how the Yxy color 23.7331, 0.5850, 0.3612 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 23.7331, 0.5850, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

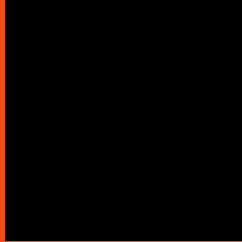
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7331, 0.5850, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 23.7331, 0.5850, 0.3612.



This preview shows how white text looks on a background with the Yxy color 23.7331, 0.5850, 0.3612.

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

23.7331, 0.5850, 0.3612

Protanopia

23.6874, 0.4244, 0.4679

Deuteranopia

23.7248, 0.4720, 0.4634



Tritanopia

23.6818, 0.5451, 0.3264

Trichromacy



Original Color

23.7331, 0.5850, 0.3612

Protanomaly

21.8767, 0.4918, 0.4220

Deuteranomaly

22.5591, 0.5217, 0.4200

Tritanomaly

23.7283, 0.5641, 0.3419

Monochromacy



Original Color

23.7331, 0.5850, 0.3612

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.3590, 0.4237, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7331, 0.5850, 0.3612 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, 77, 26)` looks like.

```
.text, #text, p{  
    color:rgb(239, 77, 26)  
}
```

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, 77, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 77, 26) }
```

Border

The CSS property to change the border of an element to Yxy 23.7331, 0.5850, 0.3612 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, 77, 26) }
```

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

```
.border{ border-color:rgb(239, 77, 26) }
```

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

Here you see how a box with a 4 pixel rgb(239, 77, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 77, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 77, 26);  
box-shadow:4px 4px 4px 4px rgb(239, 77,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7331, 0.5850, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 77, 26) }
```

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

```
.background{ background-color: rgb(239, 77,  
26) }
```

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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