

Converting Colors

$Yxy(22.9412, 0.5751, 0.3767)$

Have a look what the booklet for
Yxy(22.9412, 0.5751, 0.3767)
contains.

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Color

Yxy(23.0130, 0.5747, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	E3560C
RGB	227, 86, 12
RGB Percent	89%, 34%, 5%
CMY	0.1098, 0.6627, 0.9529
CMYK	0.00, 0.62, 0.95, 0.11
HSL	21°, 90%, 47%
HSV	21°, 95%, 89%
XYZ	35.0718, 23.0130, 2.9415
YIQ	119.7230, 107.7900, 6.8780

Conversions

Conversions Part 2

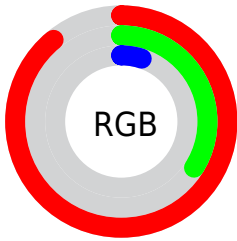
Format	Color
R _Y B	227, 125, 12
Decimal	14898700
CIE Lab	55.09, 52.22, 62.55
CIE LCh	55, 81.485, 50.142
Yxy	23.0130, 0.5747, 0.3771
Android (android.graphics.Color)	4293088780 (0xFFE3560C)
YUV	119.7230, -53.1074, 94.0819
Hunter-Lab	47.9719, 46.5489, 29.9449

Details

The Yxy color **23.0130, 0.5747, 0.3771** 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 **28.4038, 0.1945, 0.2174**, and the grayscale version is **18.8384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7394, 0.5016, 0.3942**, and **8.5704, 0.6222, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **21.7984, 0.5872, 0.3720**, and if you desaturate by 10%, it is **25.7375, 0.5469, 0.3844**.

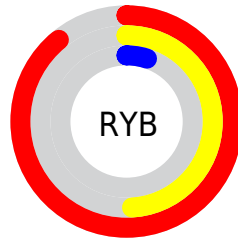
Distribution



Red (89%)

Green (34%)

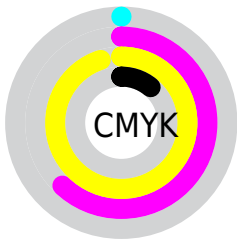
Blue (5%)



Red (89%)

Yellow (49%)

Blue (5%)

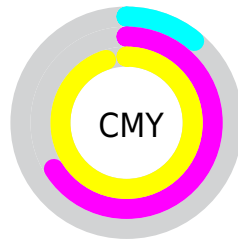


Cyan (0%)

Magenta (62%)

Yellow (95%)

Black (11%)



Cyan (11%)


Magenta (66%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0130, 0.5747, 0.3771 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 23.0130, 0.5747, 0.3771 by changing the saturation by 10% instead.


 23.0130, 0.5747,
0.3771


 23.0130, 0.5747,
0.3771


267.7918, 0.4396,
0.3720


 14.6031, 0.6039,
0.3692


 48.4147, 0.5277,
0.3817

 8.5413, 0.6428,
0.3572


 66.1752, 0.5091,
0.3814


 4.4432, 0.6736,
0.3264

 87.8215, 0.4932,
0.3804

 1.9245, 0.7184,
0.2816

 113.7378, 0.4794,
0.3789

 0.5630, 0.7983,
0.2017

 144.3086, 0.4674,
0.3772


 0.0000, 1.0000,
0.0000


 179.9183, 0.4569,


 0.0000, 0.0000,


0.3755


0.0000


 220.9512, 0.4477,
0.3737


 23.0130, 0.5747,
0.3771

 23.0130, 0.5747,
0.3771


 21.7984, 0.5872,
0.3720

 25.7375, 0.5469,
0.3844

 29.0708, 0.5138,
0.3865

 33.0551, 0.4787,
0.3840

 37.7267, 0.4442,
0.3781

 43.1189, 0.4124,
0.3700

■ 49.2624, 0.3840,
0.3608

■ 56.1863, 0.3593,
0.3512

■ 63.9176, 0.3382,
0.3419

■ 72.4823, 0.3202,
0.3330

Harmonies

Analogous

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



23.0130, 0.5530, 0.2981



23.0130, 0.5747, 0.3771



23.0130, 0.5098, 0.4693

Triad

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



23.0130, 0.5747, 0.3771



23.0130, 0.1785, 0.4673



23.0130, 0.1791, 0.1449

Complementary

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



23.0130, 0.5747, 0.3771



28.4038, 0.1945, 0.2174

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.



23.0130, 0.1222, 0.1479



23.0130, 0.5747, 0.3771



23.0130, 0.1173, 0.2922

Square

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



23.0130, 0.5747, 0.3771



23.0130, 0.2844, 0.5935



23.0130, 0.1025, 0.1889



23.0130, 0.2853, 0.1719

Rectangle

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



23.0130, 0.5747, 0.3771



23.0130, 0.4406, 0.5353



23.0130, 0.1025, 0.1889



23.0130, 0.1553, 0.1424

Sweetspot

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



23.0143, 0.5747, 0.3771



69.9024, 0.3675, 0.3546



18.9711, 0.4216, 0.2118



14.1303, 0.3783, 0.3587



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.



23.0143, 0.5747, 0.3771



28.2030, 0.5883, 0.3711



53.6900, 0.4495, 0.4787



15.1751, 0.3284, 0.3371



12.9093, 0.5845, 0.3741



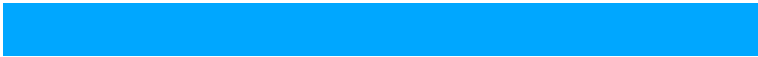
1.1221, 0.5563, 0.3965

Inverse Universe

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



28.4038, 0.1945, 0.2174



34.9391, 0.1916, 0.2098



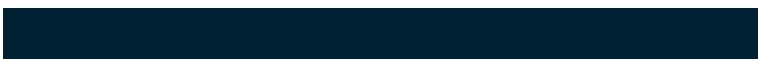
7.7249, 0.1567, 0.0803



15.4572, 0.2981, 0.3207



15.9701, 0.1924, 0.2126



1.3516, 0.1977, 0.2315

Previews

White Background



This preview shows how the Yxy color 23.0130, 0.5747, 0.3771 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 23.0130, 0.5747, 0.3771 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 23.0130, 0.5747, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 23.0130, 0.5747, 0.3771.



This preview shows how white text looks on a background with the Yxy color 23.0130, 0.5747, 0.3771.

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

23.0130, 0.5747, 0.3771

Protanopia

23.2392, 0.4318, 0.4785

Deuteranopia

23.1372, 0.4701, 0.4649



Tritanopia

23.0512, 0.5188, 0.3248

Trichromacy



Original Color

23.0130, 0.5747, 0.3771

Protanomaly

21.8920, 0.4898, 0.4374

Deuteranomaly

22.1965, 0.5145, 0.4278

Tritanomaly

22.8341, 0.5493, 0.3506

Monochromacy



Original Color

23.0130, 0.5747, 0.3771

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6901, 0.4220, 0.3730

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0130, 0.5747, 0.3771 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(227, 86, 12)` looks like.

```
.text, #text, p{  
    color:rgb(227, 86, 12)  
}
```

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(227, 86, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 86, 12) }
```

Border

The CSS property to change the border of an element to Yxy 23.0130, 0.5747, 0.3771 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(227, 86, 12) }
```

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

```
.border{ border-color:rgb(227, 86, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 86, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 86, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 86, 12);  
box-shadow:4px 4px 4px 4px rgb(227, 86,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0130, 0.5747, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 86, 12) }
```

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

```
.background{ background-color: rgb(227, 86,  
12) }
```

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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