

Converting Colors

$Y_{xy}(24.0435, 0.5701, 0.3849)$

Have a look what the booklet for
Yxy(24.0435, 0.5701, 0.3849)
contains.

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Color

Yxy(23.9896, 0.5699, 0.3849)

Conversions

Conversions Part 1

Format	Color
Hex	E35C02
RGB	227, 92, 2
RGB Percent	89%, 36%, 1%
CMY	0.1098, 0.6392, 0.9919
CMYK	0.00, 0.59, 0.99, 0.11
HSL	24°, 98%, 45%
HSV	24°, 99%, 89%
XYZ	35.5201, 23.9896, 2.8172
YIQ	122.1050, 109.3500, 0.6300

Conversions

Conversions Part 2

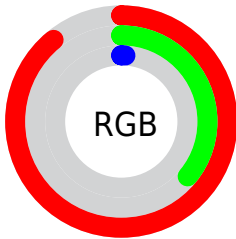
Format	Color
RYB	227, 152, 2
Decimal	14900226
CIELab	56.08, 49.47, 65.12
CIElCh	56, 81.778, 52.776
Yxy	23.9896, 0.5699, 0.3849
Android (android.graphics.Color)	4293090306 (0xFFE35C02)
YUV	122.1050, -59.2118, 91.9929
Hunter-Lab	48.9792, 43.7360, 30.8752

Details

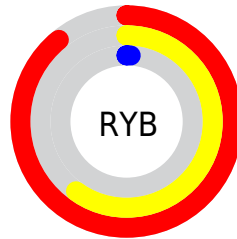
The Yxy color **23.9896, 0.5699, 0.3849** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **23.4716, 0.1868, 0.1919**, and the grayscale version is **19.6709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2111, 0.4988, 0.4011**, and **9.1097, 0.6110, 0.3530** is the 20% darker color. If you saturate the color by 10%, you get **23.7746, 0.5719, 0.3841**, and if you desaturate by 10%, it is **26.6321, 0.5461, 0.3934**.

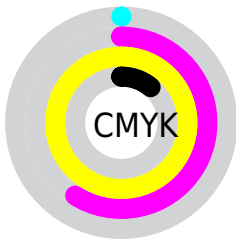
Distribution



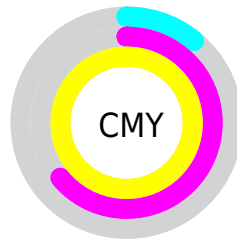
- Red (89%)
- Green (36%)
- Blue (1%)



- Red (89%)
- Yellow (60%)
- Blue (1%)



- Cyan (0%)
- Magenta (59%)
- Yellow (99%)
- Black (11%)





- Cyan (11%)
- Magenta (64%)
- Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9896, 0.5699, 0.3849 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 23.9896, 0.5699, 0.3849 by changing the saturation by 10% instead.


 23.9896, 0.5699,
0.3849


 23.9896, 0.5699,
0.3849


272.7679, 0.4390,
0.3762


 15.3259, 0.5974,
0.3779


 50.0132, 0.5250,
0.3883


 9.0484, 0.6334,
0.3666


 68.1420, 0.5070,
0.3875

 4.7728, 0.6621,
0.3379

 90.1945, 0.4915,
0.3860

 2.1146, 0.7041,
0.2959

 116.5552, 0.4781,
0.3841

 0.6728, 0.7737,
0.2263

 147.6085, 0.4664,
0.3821

 0.0000, 1.0000,
0.0000


 183.7388, 0.4561,

 0.0000, 0.0000,

0.3801


0.0000


 225.3305, 0.4470,
0.3781


 23.9896, 0.5699,
0.3849


 23.9896, 0.5699,
0.3849


 23.7746, 0.5719,
0.3841

 26.6321, 0.5461,
0.3934

 29.7941, 0.5173,
0.3969

 33.5168, 0.4854,
0.3952

 37.8316, 0.4530,
0.3894

 42.7671, 0.4220,
0.3808

■ 48.3494, 0.3937,
0.3705

■ 54.6029, 0.3685,
0.3596

■ 61.5508, 0.3465,
0.3486

■ 69.2148, 0.3276,
0.3381

Harmonies

Analogous

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



23.9896, 0.5570, 0.3054



23.9896, 0.5699, 0.3849



23.9896, 0.5006, 0.4777

Triad

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



23.9896, 0.5699, 0.3849



23.9896, 0.1724, 0.4497



23.9896, 0.1873, 0.1473

Complementary

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



23.9896, 0.5699, 0.3849



23.4716, 0.1868, 0.1919

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.



23.9896, 0.1268, 0.1476



23.9896, 0.5699, 0.3849



23.9896, 0.1158, 0.2806

Square

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



23.9896, 0.5699, 0.3849



23.9896, 0.2750, 0.5859



23.9896, 0.1042, 0.1845



23.9896, 0.2973, 0.1768

Rectangle

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



23.9896, 0.5699, 0.3849



23.9896, 0.4306, 0.5423



23.9896, 0.1042, 0.1845



23.9896, 0.1622, 0.1440

Sweetspot

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



23.9910, 0.5699, 0.3849



70.1375, 0.3711, 0.3608



18.2941, 0.4477, 0.2244



14.2587, 0.3816, 0.3655



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.



23.9910, 0.5699, 0.3849



30.7534, 0.5730, 0.3832



58.0025, 0.4413, 0.4874



15.3089, 0.3282, 0.3384



14.0775, 0.5693, 0.3862



1.2180, 0.5426, 0.4074

Inverse Universe

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



23.4716, 0.1868, 0.1919



30.0180, 0.1860, 0.1896



6.4048, 0.1525, 0.0682



15.3188, 0.2981, 0.3194



13.7777, 0.1869, 0.1928



1.1987, 0.1930, 0.2147

Previews

White Background



This preview shows how the Yxy color 23.9896, 0.5699, 0.3849 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 23.9896, 0.5699, 0.3849 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 23.9896, 0.5699, 0.3849

Background



This preview shows how black text looks on a background with the Yxy color 23.9896, 0.5699, 0.3849.



This preview shows how white text looks on a background with the Yxy color 23.9896, 0.5699, 0.3849.

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

23.9896, 0.5699, 0.3849

Protanopia

24.0613, 0.4345, 0.4805

Deuteranopia

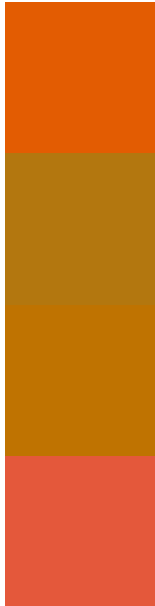
23.9844, 0.4706, 0.4645



Tritanopia

24.0689, 0.5060, 0.3245

Trichromacy



Original Color

23.9896, 0.5699, 0.3849

Protanomaly

22.8118, 0.4897, 0.4420

Deuteranomaly

23.3400, 0.5111, 0.4319

Tritanomaly

23.7892, 0.5424, 0.3557

Monochromacy



Original Color

23.9896, 0.5699, 0.3849

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3925, 0.4246, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9896, 0.5699, 0.3849 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, 92, 2)` looks like.

```
.text, #text, p{  
  color:rgb(227, 92, 2)  
}
```

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, 92, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 92, 2) }
```

Border

The CSS property to change the border of an element to Yxy 23.9896, 0.5699, 0.3849 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, 92, 2) }
```

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

```
.border{ border-color:rgb(227, 92, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 92, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 92, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 92, 2);  
box-shadow:4px 4px 4px 4px rgb(227, 92, 2)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.9896, 0.5699, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 92, 2) }
```

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

```
.background{ background-color: rgb(227, 92,  
2) }
```

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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