

Converting Colors

$Y_{xy}(24.1316, 0.5732, 0.3830)$

Have a look what the booklet for
Yxy(24.1316, 0.5732, 0.3830)
contains.

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Color

Yxy(24.1402, 0.5727, 0.3835)

Conversions

Conversions Part 1

Format	Color
Hex	E55B00
RGB	229, 91, 0
RGB Percent	90%, 36%, 0%
CMY	0.1020, 0.6430, 1.0000
CMYK	0.00, 0.60, 1.00, 0.10
HSL	24°, 100%, 45%
HSV	24°, 100%, 90%
XYZ	36.0498, 24.1402, 2.7571
YIQ	121.8880, 111.4590, 0.9550

Conversions

Conversions Part 2

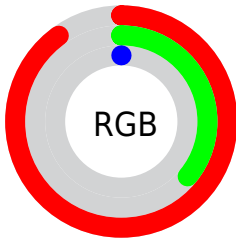
Format	Color
R _Y B	229, 151, 0
Decimal	15031040
CIE Lab	56.23, 50.60, 65.80
CIE LCh	56, 83.009, 52.439
Yxy	24.1402, 0.5727, 0.3835
Android (android.graphics.Color)	4293221120 (0xFFE55B00)
YUV	121.8880, -60.0908, 93.9372
Hunter-Lab	49.1327, 44.9874, 31.0658

Details

The Yxy color **24.1402, 0.5727, 0.3835** 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 **23.8204, 0.1865, 0.1913**, and the grayscale version is **19.5995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8925, 0.5005, 0.4007**, and **9.2014, 0.6141, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **24.1418, 0.5727, 0.3835**, and if you desaturate by 10%, it is **26.7835, 0.5492, 0.3923**.

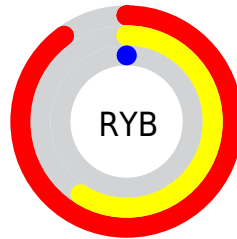
Distribution



Red (90%)

Green (36%)

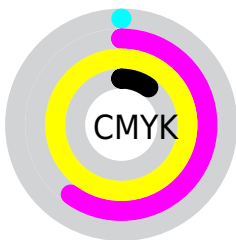
Blue (0%)



Red (90%)

Yellow (59%)

Blue (0%)

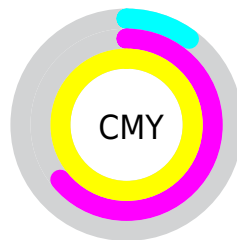


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (64%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1402, 0.5727, 0.3835 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 24.1402, 0.5727, 0.3835 by changing the saturation by 10% instead.


 24.1402, 0.5727,
0.3835


 24.1402, 0.5727,
0.3835


273.5285, 0.4408,
0.3761


 15.4377, 0.6003,
0.3760


 50.2589, 0.5276,
0.3875


 9.1271, 0.6359,
0.3641


 68.4438, 0.5095,
0.3869


 4.8242, 0.6649,
0.3351

 90.5583, 0.4939,
0.3855

 2.1445, 0.7070,
0.2930

 116.9868, 0.4803,
0.3838

 0.6895, 0.7759,
0.2241

 148.1137, 0.4685,
0.3819

 0.0000, 1.0000,
0.0000

 184.3234, 0.4581,


 0.0000, 0.0000,


0.3799


0.0000


 226.0002, 0.4489,
0.3780

 24.1402, 0.5727,
0.3835


 24.1402, 0.5727,
0.3835

 24.1418, 0.5727,
0.3835

 26.7835, 0.5492,
0.3923

 29.9535, 0.5207,
0.3964

 33.6958, 0.4888,
0.3952

 38.0429, 0.4563,
0.3898

 43.0243, 0.4250,
0.3814

■ 48.6672, 0.3963,
0.3713

■ 54.9970, 0.3708,
0.3604

■ 62.0375, 0.3485,
0.3495

■ 69.8113, 0.3292,
0.3389

Harmonies

Analogous

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



24.1402, 0.5591, 0.3038



24.1402, 0.5727, 0.3835



24.1402, 0.5028, 0.4770

Triad

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



24.1402, 0.5727, 0.3835



24.1402, 0.1716, 0.4535



24.1402, 0.1851, 0.1456

Complementary

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



24.1402, 0.5727, 0.3835



23.8204, 0.1865, 0.1913

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.



24.1402, 0.1248, 0.1462



24.1402, 0.5727, 0.3835



24.1402, 0.1144, 0.2812

Square

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



24.1402, 0.5727, 0.3835



24.1402, 0.2752, 0.5903



24.1402, 0.1025, 0.1836



24.1402, 0.2955, 0.1749

Rectangle

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



24.1402, 0.5727, 0.3835



24.1402, 0.4320, 0.5428



24.1402, 0.1025, 0.1836



24.1402, 0.1600, 0.1424

Sweetspot

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



24.1418, 0.5727, 0.3835



70.0516, 0.3712, 0.3606



18.5843, 0.4494, 0.2249



14.2386, 0.3816, 0.3652



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.



24.1418, 0.5727, 0.3835



30.6392, 0.5737, 0.3827



59.0218, 0.4418, 0.4874



15.3034, 0.3282, 0.3384



14.0254, 0.5699, 0.3857



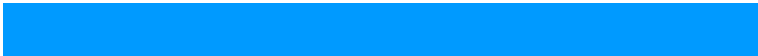
1.2138, 0.5432, 0.4069

Inverse Universe

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



23.8204, 0.1865, 0.1913



30.2095, 0.1862, 0.1904



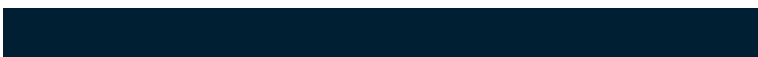
6.4270, 0.1520, 0.0673



15.3245, 0.2981, 0.3194



13.8631, 0.1871, 0.1936



1.2047, 0.1932, 0.2154

Previews

White Background



This preview shows how the Yxy color 24.1402, 0.5727, 0.3835 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 24.1402, 0.5727, 0.3835 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 24.1402, 0.5727, 0.3835

Background



This preview shows how black text looks on a background with the Yxy color 24.1402, 0.5727, 0.3835.



This preview shows how white text looks on a background with the Yxy color 24.1402, 0.5727, 0.3835.

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

24.1402, 0.5727, 0.3835

Protanopia

24.4425, 0.4341, 0.4802

Deuteranopia

24.3584, 0.4703, 0.4648



Tritanopia

24.2241, 0.5099, 0.3246

Trichromacy



Original Color

24.1402, 0.5727, 0.3835

Protanomaly

23.2912, 0.4904, 0.4417

Deuteranomaly

23.4679, 0.5123, 0.4314

Tritanomaly

23.9348, 0.5468, 0.3558

Monochromacy



Original Color

24.1402, 0.5727, 0.3835

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.4960, 0.4260, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1402, 0.5727, 0.3835 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(229, 91, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 91, 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(229, 91, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 91, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.1402, 0.5727, 0.3835 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(229, 91, 0) }
```

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

```
.border{ border-color:rgb(229, 91, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 91, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 91, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 91, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 91, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.1402, 0.5727, 0.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 91, 0) }
```

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

```
.background{ background-color: rgb(229, 91,  
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](#).

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