

Converting Colors

$Y_{xy}(23.1017, 0.5874, 0.3952)$

Have a look what the booklet for
Yxy(23.1017, 0.5874, 0.3952)
contains.

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Color

Yxy(23.3199, 0.5718, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	E15A00
RGB	225, 90, 0
RGB Percent	88%, 35%, 0%
CMY	0.1177, 0.6470, 1.0000
CMYK	0.00, 0.60, 1.00, 0.12
HSL	24°, 100%, 44%
HSV	24°, 100%, 88%
XYZ	34.7067, 23.3199, 2.6707
YIQ	120.1050, 109.3500, 0.6300

Conversions

Conversions Part 2

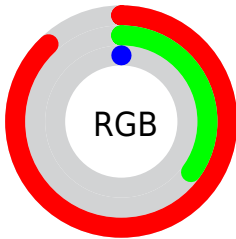
Format	Color
R _Y B	225, 150, 0
Decimal	14768640
CIE Lab	55.40, 49.62, 64.99
CIE LCh	55, 81.769, 52.641
Yxy	23.3199, 0.5718, 0.3842
Android (android.graphics.Color)	4292958720 (0xFFE15A00)
YUV	120.1050, -59.2118, 91.9929
Hunter-Lab	48.2907, 43.7800, 30.5245

Details

The Yxy color **23.3199, 0.5718, 0.3842** 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 **22.7597, 0.1863, 0.1905**, and the grayscale version is **18.9865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5767, 0.5021, 0.4004**, and **8.7211, 0.6140, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **23.3213, 0.5718, 0.3842**, and if you desaturate by 10%, it is **25.8692, 0.5483, 0.3929**.

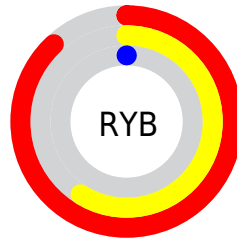
Distribution



Red (88%)

Green (35%)

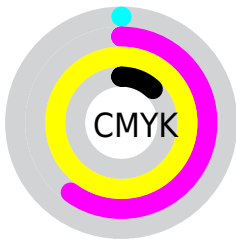
Blue (0%)



Red (88%)

Yellow (59%)

Blue (0%)

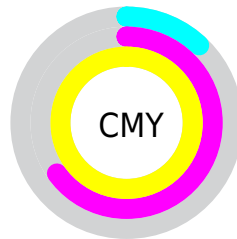


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (65%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3199, 0.5718, 0.3842 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 23.3199, 0.5718, 0.3842 by changing the saturation by 10% instead.

 23.3199, 0.5718,
0.3842

 23.3199, 0.5718,
0.3842


269.3638, 0.4395,
0.3761


 14.8299, 0.5996,
0.3768


 48.9181, 0.5264,
0.3880


 8.7001, 0.6354,
0.3646

 66.7950, 0.5082,
0.3873


 4.5461, 0.6649,
0.3351

 88.5698, 0.4925,
0.3858

 1.9835, 0.7081,
0.2919

 114.6267, 0.4790,
0.3840

 0.5978, 0.7841,
0.2159

 145.3501, 0.4671,
0.3820

 0.0000, 1.0000,
0.0000


 181.1245, 0.4568,


 0.0000, 0.0000,


0.3800


0.0000


 222.3343, 0.4476,
0.3780


 23.3199, 0.5718,
0.3842


 23.3199, 0.5718,
0.3842


 23.3213, 0.5718,
0.3842

 25.8692, 0.5483,
0.3929

 28.9211, 0.5199,
0.3969

 32.5188, 0.4882,
0.3956

 36.6934, 0.4558,
0.3901

 41.4729, 0.4247,
0.3817

■ 46.8830, 0.3961,
0.3715

■ 52.9479, 0.3706,
0.3606

■ 59.6902, 0.3484,
0.3496

■ 67.1313, 0.3292,
0.3390

Harmonies

Analogous

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



23.3199, 0.5588, 0.3045



23.3199, 0.5718, 0.3842



23.3199, 0.5018, 0.4775

Triad

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



23.3199, 0.5718, 0.3842



23.3199, 0.1715, 0.4518



23.3199, 0.1860, 0.1461

Complementary

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



23.3199, 0.5718, 0.3842



22.7597, 0.1863, 0.1905

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.



23.3199, 0.1255, 0.1465



23.3199, 0.5718, 0.3842



23.3199, 0.1147, 0.2805

Square

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



23.3199, 0.5718, 0.3842



23.3199, 0.2747, 0.5889



23.3199, 0.1030, 0.1837



23.3199, 0.2965, 0.1756

Rectangle

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



23.3199, 0.5718, 0.3842



23.3199, 0.4312, 0.5430



23.3199, 0.1030, 0.1837



23.3199, 0.1609, 0.1428

Sweetspot

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



23.3213, 0.5718, 0.3842



70.1467, 0.3711, 0.3608



17.7562, 0.4561, 0.2286



14.2608, 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.



23.3213, 0.5718, 0.3842



30.7657, 0.5730, 0.3833



58.4816, 0.4383, 0.4902



14.5960, 0.3282, 0.3384



13.6536, 0.5690, 0.3864



1.1182, 0.5409, 0.4087

Inverse Universe

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



22.7597, 0.1863, 0.1905



29.9976, 0.1860, 0.1895



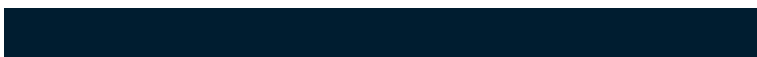
6.0292, 0.1516, 0.0658



14.6042, 0.2981, 0.3194



13.3501, 0.1869, 0.1928



1.0992, 0.1933, 0.2160

Previews

White Background



This preview shows how the Yxy color 23.3199, 0.5718, 0.3842 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 23.3199, 0.5718, 0.3842 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 23.3199, 0.5718, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 23.3199, 0.5718, 0.3842.



This preview shows how white text looks on a background with the Yxy color 23.3199, 0.5718, 0.3842.

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

23.3199, 0.5718, 0.3842

Protanopia

23.5922, 0.4333, 0.4812

Deuteranopia

23.5036, 0.4698, 0.4652



Tritanopia

23.3928, 0.5085, 0.3245

Trichromacy



Original Color

23.3199, 0.5718, 0.3842

Protanomaly

22.3357, 0.4894, 0.4427

Deuteranomaly

22.8534, 0.5110, 0.4325

Tritanomaly

23.1197, 0.5449, 0.3556

Monochromacy



Original Color

23.3199, 0.5718, 0.3842

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.7282, 0.4264, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3199, 0.5718, 0.3842 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(225, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(225, 90, 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(225, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.3199, 0.5718, 0.3842 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(225, 90, 0) }
```

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

```
.border{ border-color:rgb(225, 90, 0) }
```

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

Here you see how a box with a 4 pixel rgb(225, 90, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.3199, 0.5718, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 90, 0) }
```

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

```
.background{ background-color: rgb(225, 90,  
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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