

Converting Colors

$Y_{xy}(23.0755, 0.5597, 0.3872)$

Have a look what the booklet for
Yxy(23.0755, 0.5597, 0.3872)
contains.

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Color

Yxy(23.1000, 0.5592, 0.3879)

Conversions

Conversions Part 1

Format	Color
Hex	DB5E0F
RGB	219, 94, 15
RGB Percent	86%, 37%, 6%
CMY	0.1412, 0.6313, 0.9417
CMYK	0.00, 0.57, 0.93, 0.14
HSL	23°, 87%, 46%
HSV	23°, 93%, 86%
XYZ	33.3012, 23.1000, 3.1503
YIQ	122.3690, 99.8590, 1.9310

Conversions

Conversions Part 2

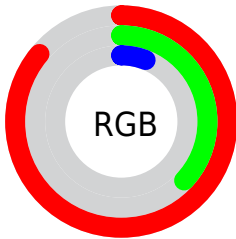
Format	Color
R _Y B	219, 144, 15
Decimal	14376463
CIE Lab	55.18, 45.70, 61.32
CIE LCh	55, 76.473, 53.304
Yxy	23.1000, 0.5592, 0.3879
Android (android.graphics.Color)	4292566543 (0xFFDB5E0F)
YUV	122.3690, -52.9329, 84.7454
Hunter-Lab	48.0625, 39.5685, 29.7575

Details

The Yxy color **23.1000, 0.5592, 0.3879** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **23.9267, 0.1914, 0.2050**, and the grayscale version is **19.7381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5824, 0.4945, 0.3987**, and **8.6538, 0.6027, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **21.5428, 0.5750, 0.3817**, and if you desaturate by 10%, it is **25.7951, 0.5319, 0.3937**.

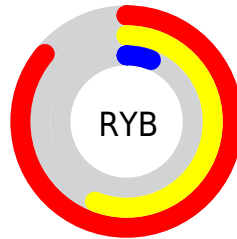
Distribution



Red (86%)

Green (37%)

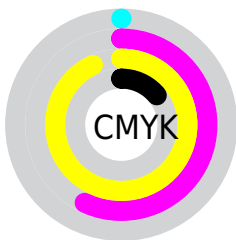
Blue (6%)



Red (86%)

Yellow (56%)

Blue (6%)

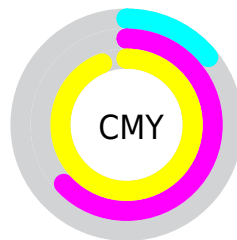


Cyan (0%)

Magenta (57%)

Yellow (93%)

Black (14%)



Cyan (14%)


Magenta (63%)


Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1000, 0.5592, 0.3879 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 23.1000, 0.5592, 0.3879 by changing the saturation by 10% instead.


 23.1000, 0.5592,
0.3879


 23.1000, 0.5592,
0.3879


268.2382, 0.4316,
0.3751


 14.6674, 0.5871,
0.3824


 48.5575, 0.5146,
0.3892


 8.5863, 0.6258,
0.3742


 66.3511, 0.4970,
0.3878


 4.4723, 0.6540,
0.3460

 88.0339, 0.4820,
0.3859

 1.9411, 0.6958,
0.3042

 113.9901, 0.4690,
0.3837

 0.5729, 0.7733,
0.2267

 144.6043, 0.4577,
0.3814

 0.0000, 1.0000,
0.0000


 180.2608, 0.4479,


 0.0000, 0.0000,


0.3792


0.0000


 221.3439, 0.4392,
0.3771


 23.1000, 0.5592,
0.3879


 23.1000, 0.5592,
0.3879


 21.5428, 0.5750,
0.3817

 25.7951, 0.5319,
0.3937

 29.0052, 0.5004,
0.3943

 32.7632, 0.4674,
0.3902

 37.0972, 0.4352,
0.3829

 42.0330, 0.4054,
0.3734

■ 47.5946, 0.3787,
0.3630

■ 53.8046, 0.3553,
0.3523

■ 60.6843, 0.3351,
0.3419

■ 68.2539, 0.3177,
0.3320

Harmonies

Analogous

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



23.1000, 0.5462, 0.3096



23.1000, 0.5592, 0.3879



23.1000, 0.4942, 0.4771

Triad

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



23.1000, 0.5592, 0.3879



23.1000, 0.1781, 0.4399



23.1000, 0.1941, 0.1540

Complementary

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



23.1000, 0.5592, 0.3879



23.9267, 0.1914, 0.2050

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.



23.1000, 0.1341, 0.1541



23.1000, 0.5592, 0.3879



23.1000, 0.1229, 0.2821

Square

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



23.1000, 0.5592, 0.3879



23.1000, 0.2773, 0.5695



23.1000, 0.1114, 0.1902



23.1000, 0.3009, 0.1833

Rectangle

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



23.1000, 0.5592, 0.3879



23.1000, 0.4274, 0.5369



23.1000, 0.1114, 0.1902



23.1000, 0.1693, 0.1507

Sweetspot

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



23.1013, 0.5592, 0.3879



71.4336, 0.3666, 0.3577



17.3130, 0.4374, 0.2216



14.4922, 0.3771, 0.3623



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.



23.1013, 0.5592, 0.3879



30.1592, 0.5764, 0.3805



54.2055, 0.4386, 0.4866



13.8753, 0.3282, 0.3381



12.9719, 0.5723, 0.3838



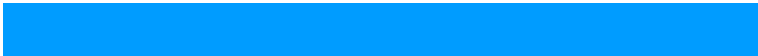
1.0046, 0.5420, 0.4078

Inverse Universe

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



23.9267, 0.1914, 0.2050



31.0403, 0.1872, 0.1940



6.6448, 0.1558, 0.0756



13.9377, 0.2982, 0.3197



13.3753, 0.1882, 0.1973



1.0319, 0.1948, 0.2211

Previews

White Background



This preview shows how the Yxy color 23.1000, 0.5592, 0.3879 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 23.1000, 0.5592, 0.3879 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 23.1000, 0.5592, 0.3879

Background



This preview shows how black text looks on a background with the Yxy color 23.1000, 0.5592, 0.3879.



This preview shows how white text looks on a background with the Yxy color 23.1000, 0.5592, 0.3879.

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

23.1000, 0.5592, 0.3879

Protanopia

23.2392, 0.4318, 0.4785

Deuteranopia

23.2465, 0.4713, 0.4640



Tritanopia

23.1419, 0.4943, 0.3242

Trichromacy



Original Color

23.1000, 0.5592, 0.3879

Protanomaly

22.2502, 0.4818, 0.4430

Deuteranomaly

22.6104, 0.5078, 0.4327

Tritanomaly

22.9096, 0.5278, 0.3543

Monochromacy



Original Color

23.1000, 0.5592, 0.3879

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3810, 0.4133, 0.3767

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1000, 0.5592, 0.3879 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(219, 94, 15)` looks like.

```
.text, #text, p{  
    color:rgb(219, 94, 15)  
}
```

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(219, 94, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 94, 15) }
```

Border

The CSS property to change the border of an element to Yxy 23.1000, 0.5592, 0.3879 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(219, 94, 15) }
```

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

```
.border{ border-color:rgb(219, 94, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 94, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 94, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 94, 15);  
box-shadow:4px 4px 4px 4px rgb(219, 94,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1000, 0.5592, 0.3879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 94, 15) }
```

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

```
.background{ background-color: rgb(219, 94,  
15) }
```

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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