

Converting Colors

$Y_{xy}(23.4023, 0.5838, 0.4090)$

Have a look what the booklet for
Yxy(23.4023, 0.5838, 0.4090)
contains.

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Color

Yxy(23.5566, 0.5631, 0.3911)

Conversions

Conversions Part 1

Format	Color
Hex	DD5F00
RGB	221, 95, 0
RGB Percent	87%, 37%, 0%
CMY	0.1332, 0.6275, 1.0000
CMYK	0.00, 0.57, 1.00, 0.13
HSL	26°, 100%, 43%
HSV	26°, 100%, 87%
XYZ	33.9164, 23.5566, 2.7586
YIQ	121.8440, 105.5910, -2.8330

Conversions

Conversions Part 2

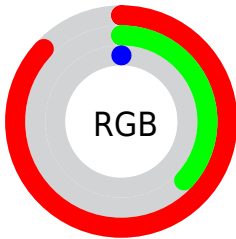
Format	Color
R_{YB}	221, 167, 0
Decimal	14507776
CIE _{Lab}	55.64, 45.85, 64.78
CIE _{LCh}	56, 79.361, 54.711
Yxy	23.5566, 0.5631, 0.3911
Android (android.graphics.Color)	4292697856 (0xFFDD5F00)
YUV	121.8440, -60.0691, 86.9598
Hunter-Lab	48.5351, 39.7996, 30.6047

Details

The Yxy color **23.5566, 0.5631, 0.3911** 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 **20.1528, 0.1834, 0.1801**, and the grayscale version is **19.5820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8215, 0.4975, 0.4036**, and **8.9250, 0.6022, 0.3600** is the 20% darker color. If you saturate the color by 10%, you get **23.5580, 0.5631, 0.3911**, and if you desaturate by 10%, it is **26.0732, 0.5404, 0.3993**.

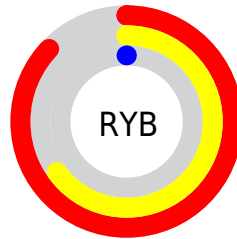
Distribution



Red (87%)

Green (37%)

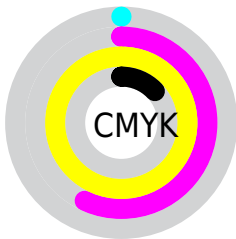
Blue (0%)



Red (87%)

Yellow (65%)

Blue (0%)

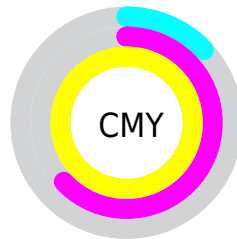


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5566, 0.5631, 0.3911 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 23.5566, 0.5631, 0.3911 by changing the saturation by 10% instead.


 23.5566, 0.5631,
0.3911


 23.5566, 0.5631,
0.3911


270.5711, 0.4354,
0.3783


 15.0050, 0.5900,
0.3850


 49.3057, 0.5192,
0.3929


 8.8229, 0.6251,
0.3749


 67.2719, 0.5017,
0.3916


 4.6259, 0.6529,
0.3471

 89.1453, 0.4865,
0.3896

 2.0295, 0.6939,
0.3061

 115.3100, 0.4734,
0.3873

 0.6245, 0.7663,
0.2337

 146.1505, 0.4620,
0.3850

 0.0000, 1.0000,
0.0000

 182.0513, 0.4520,

 0.0000, 0.0000,


0.3827

0.0000


 223.3967, 0.4432,
0.3805

 23.5566, 0.5631,
0.3911


 23.5566, 0.5631,
0.3911


 23.5580, 0.5631,
0.3911

 26.0732, 0.5404,
0.3993

 29.0390, 0.5134,
0.4026

 32.4927, 0.4832,
0.4007

 36.4611, 0.4522,
0.3946

 40.9684, 0.4223,
0.3854

■ 46.0370, 0.3947,
0.3745

■ 51.6877, 0.3699,
0.3628

■ 57.9400, 0.3481,
0.3511

■ 64.8126, 0.3291,
0.3397

Harmonies

Analogous

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



23.5566, 0.5557, 0.3116



23.5566, 0.5631, 0.3911



23.5566, 0.4925, 0.4830

Triad

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



23.5566, 0.5631, 0.3911



23.5566, 0.1704, 0.4351



23.5566, 0.1951, 0.1512

Complementary

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



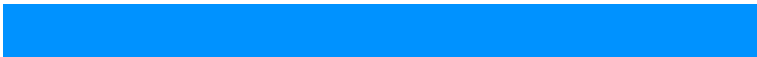
23.5566, 0.5631, 0.3911



20.1528, 0.1834, 0.1801

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.



23.5566, 0.1323, 0.1496



23.5566, 0.5631, 0.3911



23.5566, 0.1173, 0.2739

Square

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



23.5566, 0.5631, 0.3911



23.5566, 0.2696, 0.5748



23.5566, 0.1078, 0.1837



23.5566, 0.3065, 0.1822

Rectangle

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



23.5566, 0.5631, 0.3911



23.5566, 0.4230, 0.5449



23.5566, 0.1078, 0.1837



23.5566, 0.1692, 0.1473

Sweetspot

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



23.5580, 0.5631, 0.3911



71.2704, 0.3704, 0.3631



16.9590, 0.4629, 0.2324



14.5244, 0.3806, 0.3681



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.



23.5580, 0.5631, 0.3911



32.3233, 0.5644, 0.3901



57.9014, 0.4349, 0.4929



13.9672, 0.3281, 0.3391



13.8972, 0.5604, 0.3932



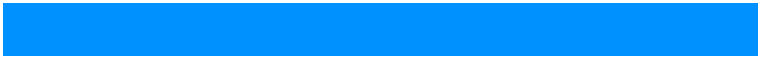
1.0692, 0.5319, 0.4159

Inverse Universe

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



20.1528, 0.1834, 0.1801



27.5967, 0.1830, 0.1789



5.6680, 0.1513, 0.0646



13.8436, 0.2982, 0.3187



11.9335, 0.1841, 0.1825



0.9430, 0.1913, 0.2087

Previews

White Background



This preview shows how the Yxy color 23.5566, 0.5631, 0.3911 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 23.5566, 0.5631, 0.3911 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 23.5566, 0.5631, 0.3911

Background



This preview shows how black text looks on a background with the Yxy color 23.5566, 0.5631, 0.3911.



This preview shows how white text looks on a background with the Yxy color 23.5566, 0.5631, 0.3911.

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

23.5566, 0.5631, 0.3911

Protanopia

23.6836, 0.4349, 0.4808

Deuteranopia

23.6138, 0.4709, 0.4643



Tritanopia

23.4756, 0.4948, 0.3232

Trichromacy



Original Color

23.5566, 0.5631, 0.3911

Protanomaly

22.6921, 0.4857, 0.4463

Deuteranomaly

22.9528, 0.5085, 0.4344

Tritanomaly

23.3380, 0.5338, 0.3592

Monochromacy



Original Color

23.5566, 0.5631, 0.3911

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.4075, 0.4211, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5566, 0.5631, 0.3911 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(221, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 95, 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(221, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 95, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.5566, 0.5631, 0.3911 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(221, 95, 0) }
```

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

```
.border{ border-color:rgb(221, 95, 0) }
```

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

Here you see how a box with a 4 pixel rgb(221, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 95, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.5566, 0.5631, 0.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 95, 0) }
```

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

```
.background{ background-color: rgb(221, 95,  
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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