

Converting Colors

$Y_{xy}(23.4835, 0.5651, 0.3895)$

Have a look what the booklet for
Yxy(23.4835, 0.5651, 0.3895)
contains.

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Color

Yxy(23.5350, 0.5650, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	DE5E00
RGB	222, 94, 0
RGB Percent	87%, 37%, 0%
CMY	0.1293, 0.6314, 1.0000
CMYK	0.00, 0.58, 1.00, 0.13
HSL	25°, 100%, 44%
HSV	25°, 100%, 87%
XYZ	34.1306, 23.5350, 2.7425
YIQ	121.5560, 106.4620, -2.0980

Conversions

Conversions Part 2

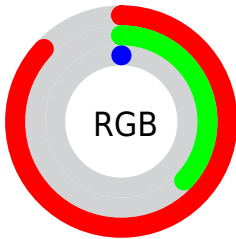
Format	Color
RYB	222, 163, 0
Decimal	14573056
CIELab	55.62, 46.69, 64.85
CIELCh	56, 79.911, 54.251
Yxy	23.5350, 0.5650, 0.3896
Android (android.graphics.Color)	4292763136 (0xFFDE5E00)
YUV	121.5560, -59.9271, 88.0894
Hunter-Lab	48.5129, 40.6837, 30.6072

Details

The Yxy color **23.5350, 0.5650, 0.3896** 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 **20.7191, 0.1840, 0.1823**, and the grayscale version is **19.4828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8215, 0.4975, 0.4036**, and **8.8885, 0.6055, 0.3574** is the 20% darker color. If you saturate the color by 10%, you get **23.5364, 0.5650, 0.3896**, and if you desaturate by 10%, it is **26.0637, 0.5421, 0.3979**.

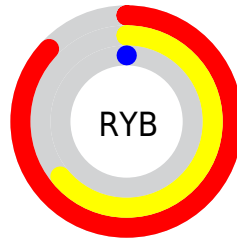
Distribution



Red (87%)

Green (37%)

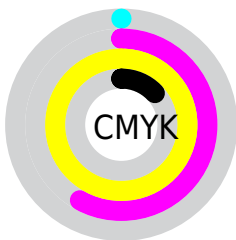
Blue (0%)



Red (87%)

Yellow (64%)

Blue (0%)

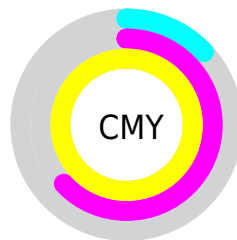


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5350, 0.5650, 0.3896 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 23.5350, 0.5650, 0.3896 by changing the saturation by 10% instead.


 23.5350, 0.5650,
0.3896


 23.5350, 0.5650,
0.3896


270.4611, 0.4363,
0.3779


 14.9890, 0.5921,
0.3832


 49.2703, 0.5208,
0.3919

 8.8117, 0.6273,
0.3727


 67.2285, 0.5031,
0.3906

 4.6186, 0.6555,
0.3445

 89.0928, 0.4879,
0.3888

 2.0252, 0.6970,
0.3030

 115.2477, 0.4747,
0.3866

 0.6221, 0.7698,
0.2302

 146.0776, 0.4632,
0.3844

 0.0000, 1.0000,
0.0000


 181.9669, 0.4531,


 0.0000, 0.0000,

0.3821

0.0000


 223.2999, 0.4442,
0.3799

 23.5350, 0.5650,
0.3896


 23.5350, 0.5650,
0.3896


 23.5364, 0.5650,
0.3896


 26.0637, 0.5421,
0.3979


 29.0535, 0.5148,
0.4014


 32.5440, 0.4843,
0.3996

 36.5630, 0.4530,
0.3936

 41.1354, 0.4228,
0.3846

 46.2844, 0.3950,
0.3738

 52.0315, 0.3700,
0.3623

 58.3968, 0.3481,
0.3508

 65.3996, 0.3291,
0.3396

Harmonies

Analogous

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



23.5350, 0.5564, 0.3100



23.5350, 0.5650, 0.3896



23.5350, 0.4945, 0.4818

Triad

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



23.5350, 0.5650, 0.3896



23.5350, 0.1706, 0.4387



23.5350, 0.1931, 0.1501

Complementary

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



23.5350, 0.5650, 0.3896



20.7191, 0.1840, 0.1823

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.



23.5350, 0.1308, 0.1489



23.5350, 0.5650, 0.3896



23.5350, 0.1167, 0.2753

Square

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



23.5350, 0.5650, 0.3896



23.5350, 0.2707, 0.5779



23.5350, 0.1067, 0.1837



23.5350, 0.3043, 0.1807

Rectangle

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



23.5350, 0.5650, 0.3896



23.5350, 0.4248, 0.5445



23.5350, 0.1067, 0.1837



23.5350, 0.1674, 0.1463

Sweetspot

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



23.5364, 0.5650, 0.3896



71.0270, 0.3706, 0.3626



17.1307, 0.4630, 0.2324



14.4673, 0.3808, 0.3675



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.



23.5364, 0.5650, 0.3896



31.9762, 0.5663, 0.3886



58.4876, 0.4349, 0.4929



14.6496, 0.3281, 0.3390



14.1876, 0.5624, 0.3916



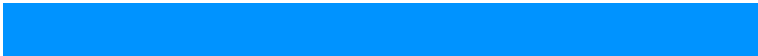
1.1579, 0.5352, 0.4133

Inverse Universe

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



20.7191, 0.1840, 0.1823



28.1006, 0.1837, 0.1812



5.7238, 0.1513, 0.0646



14.5493, 0.2981, 0.3188



12.5294, 0.1846, 0.1846



1.0447, 0.1914, 0.2090

Previews

White Background



This preview shows how the Yxy color 23.5350, 0.5650, 0.3896 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 23.5350, 0.5650, 0.3896 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 23.5350, 0.5650, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 23.5350, 0.5650, 0.3896.



This preview shows how white text looks on a background with the Yxy color 23.5350, 0.5650, 0.3896.

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

23.5350, 0.5650, 0.3896

Protanopia

23.6836, 0.4349, 0.4808

Deuteranopia

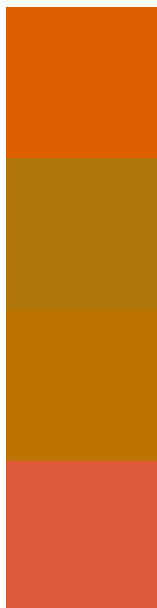
23.6138, 0.4709, 0.4643



Tritanopia

23.4540, 0.4979, 0.3232

Trichromacy



Original Color

23.5350, 0.5650, 0.3896

Protanomaly

22.5698, 0.4882, 0.4443

Deuteranomaly

22.9528, 0.5085, 0.4344

Tritanomaly

23.3161, 0.5366, 0.3587

Monochromacy



Original Color

23.5350, 0.5650, 0.3896

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 23.5350, 0.5650, 0.3896 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(222, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 94, 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(222, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 94, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.5350, 0.5650, 0.3896 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(222, 94, 0) }
```

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

```
.border{ border-color:rgb(222, 94, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 94, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.5350, 0.5650, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 94, 0) }
```

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

```
.background{ background-color: rgb(222, 94,  
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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