

Converting Colors

$Y_{xy}(23.7232, 0.5654, 0.3893)$

Have a look what the booklet for
Yxy(23.7232, 0.5654, 0.3893)
contains.

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Color

Yxy(23.6934, 0.5656, 0.3891)

Conversions

Conversions Part 1

Format	Color
Hex	DF5E00
RGB	223, 94, 0
RGB Percent	87%, 37%, 0%
CMY	0.1254, 0.6314, 0.9999
CMYK	0.00, 0.58, 1.00, 0.13
HSL	25°, 100%, 44%
HSV	25°, 100%, 87%
XYZ	34.4410, 23.6934, 2.7584
YIQ	121.8550, 107.0580, -1.8860

Conversions

Conversions Part 2

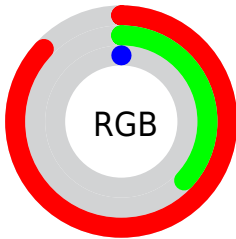
Format	Color
RYB	223, 162, 0
Decimal	14638592
CIELab	55.78, 47.07, 65.02
CIElCh	56, 80.268, 54.097
Yxy	23.6934, 0.5656, 0.3891
Android (android.graphics.Color)	4292828672 (0xFFDF5E00)
YUV	121.8550, -60.0745, 88.7042
Hunter-Lab	48.6759, 41.1163, 30.7132

Details

The Yxy color **23.6934, 0.5656, 0.3891** 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 **21.0474, 0.1842, 0.1830**, and the grayscale version is **19.5856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8215, 0.4975, 0.4036**, and **8.9912, 0.6059, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **23.6927, 0.5656, 0.3891**, and if you desaturate by 10%, it is **26.2437, 0.5427, 0.3974**.

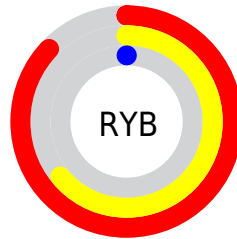
Distribution



Red (87%)

Green (37%)

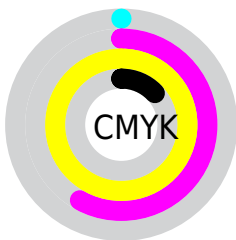
Blue (0%)



Red (87%)

Yellow (64%)

Blue (0%)

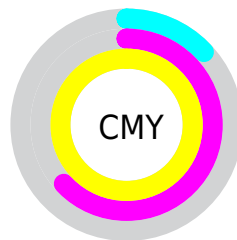


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6934, 0.5656, 0.3891 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 23.6934, 0.5656, 0.3891 by changing the saturation by 10% instead.


 23.6934, 0.5656,
0.3891


 23.6934, 0.5656,
0.3891


271.2667, 0.4368,
0.3777


 15.1063, 0.5927,
0.3827


 49.5294, 0.5214,
0.3915


 8.8941, 0.6279,
0.3721


 67.5471, 0.5037,
0.3903


 4.6721, 0.6561,
0.3439

 89.4772, 0.4884,
0.3885

 2.0562, 0.6975,
0.3025

 115.7041, 0.4752,
0.3864

 0.6398, 0.7689,
0.2311

 146.6120, 0.4637,
0.3842


 0.0000, 1.0000,
0.0000


 182.5855, 0.4536,

 0.0000, 0.0000,

0.3820

0.0000


 224.0090, 0.4447,
0.3798

 23.6934, 0.5656,
0.3891


 23.6934, 0.5656,
0.3891


 23.6927, 0.5656,
0.3891

 26.2437, 0.5427,
0.3974

 29.2624, 0.5152,
0.4010

 32.7897, 0.4846,
0.3993

 36.8539, 0.4533,
0.3933

 41.4804, 0.4230,
0.3843

■ 46.6927, 0.3951,
0.3736

■ 52.5127, 0.3701,
0.3622

■ 58.9610, 0.3481,
0.3506

■ 66.0571, 0.3291,
0.3395

Harmonies

Analogous

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



23.6934, 0.5566, 0.3095



23.6934, 0.5656, 0.3891



23.6934, 0.4952, 0.4814

Triad

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



23.6934, 0.5656, 0.3891



23.6934, 0.1708, 0.4399



23.6934, 0.1925, 0.1497

Complementary

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



23.6934, 0.5656, 0.3891



21.0474, 0.1842, 0.1830

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.



23.6934, 0.1303, 0.1487



23.6934, 0.5656, 0.3891



23.6934, 0.1165, 0.2758

Square

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



23.6934, 0.5656, 0.3891



23.6934, 0.2711, 0.5789



23.6934, 0.1064, 0.1837



23.6934, 0.3036, 0.1802

Rectangle

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



23.6934, 0.5656, 0.3891



23.6934, 0.4254, 0.5444



23.6934, 0.1064, 0.1837



23.6934, 0.1668, 0.1460

Sweetspot

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



23.6947, 0.5656, 0.3891



70.9501, 0.3706, 0.3624



17.3076, 0.4630, 0.2324



14.4492, 0.3809, 0.3673



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.



23.6947, 0.5656, 0.3891



31.8676, 0.5669, 0.3881



59.0900, 0.4349, 0.4929



14.6449, 0.3281, 0.3389



14.1398, 0.5630, 0.3912



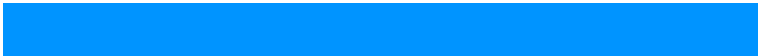
1.1544, 0.5357, 0.4129

Inverse Universe

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



21.0474, 0.1842, 0.1830



28.2617, 0.1839, 0.1819



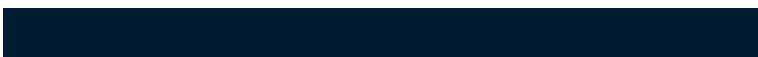
5.7818, 0.1513, 0.0646



14.5541, 0.2981, 0.3189



12.5991, 0.1848, 0.1853



1.0494, 0.1916, 0.2096

Previews

White Background



This preview shows how the Yxy color 23.6934, 0.5656, 0.3891 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 23.6934, 0.5656, 0.3891 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 23.6934, 0.5656, 0.3891

Background



This preview shows how black text looks on a background with the Yxy color 23.6934, 0.5656, 0.3891.



This preview shows how white text looks on a background with the Yxy color 23.6934, 0.5656, 0.3891.

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

23.6934, 0.5656, 0.3891

Protanopia

23.9614, 0.4337, 0.4819

Deuteranopia

23.6138, 0.4709, 0.4643



Tritanopia

23.6143, 0.4988, 0.3233

Trichromacy



Original Color

23.6934, 0.5656, 0.3891

Protanomaly

22.8091, 0.4867, 0.4455

Deuteranomaly

23.0803, 0.5095, 0.4337

Tritanomaly

23.4754, 0.5374, 0.3585

Monochromacy



Original Color

23.6934, 0.5656, 0.3891

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.5093, 0.4224, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6934, 0.5656, 0.3891 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(223, 94, 0)` looks like.

```
.text, #text, p{  
  color:rgb(223, 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(223, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 94, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.6934, 0.5656, 0.3891 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(223, 94, 0) }
```

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

```
.border{ border-color:rgb(223, 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(223, 94, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 94, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.6934, 0.5656, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 94, 0) }
```

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

```
.background{ background-color: rgb(223, 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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