

Converting Colors

$Y_{xy}(23.9752, 0.5512, 0.3797)$

Have a look what the booklet for
Yxy(23.9752, 0.5512, 0.3797)
contains.

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Color

Yxy(23.9937, 0.5510, 0.3796)

Conversions

Conversions Part 1

Format	Color
Hex	DF5F23
RGB	223, 95, 35
RGB Percent	87%, 37%, 14%
CMY	0.1255, 0.6274, 0.8627
CMYK	0.00, 0.57, 0.84, 0.13
HSL	19°, 75%, 51%
HSV	19°, 84%, 87%
XYZ	34.8275, 23.9937, 4.3866
YIQ	126.4320, 95.5480, 8.4760

Conversions

Conversions Part 2

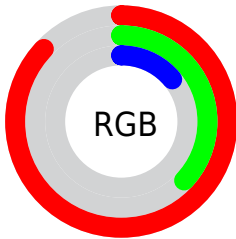
Format	Color
RYB	223, 123, 35
Decimal	14638883
CIELab	56.08, 47.10, 55.72
CIElCh	56, 72.954, 49.792
Yxy	23.9937, 0.5510, 0.3796
Android (android.graphics.Color)	4292828963 (0xFFDF5F23)
YUV	126.4320, -45.0760, 84.6901
Hunter-Lab	48.9834, 41.1939, 28.9787

Details

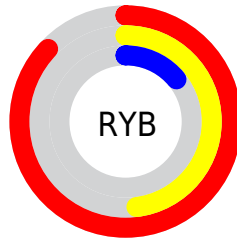
The Yxy color **23.9937, 0.5510, 0.3796** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **31.8827, 0.2030, 0.2388**, and the grayscale version is **21.1528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4268, 0.4815, 0.3896**, and **9.0595, 0.6045, 0.3582** is the 20% darker color. If you saturate the color by 10%, you get **21.4278, 0.5798, 0.3724**, and if you desaturate by 10%, it is **27.1795, 0.5167, 0.3819**.

Distribution



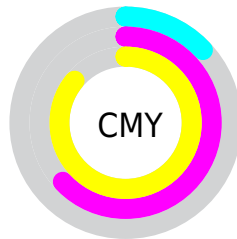
- Red (87%)
- Green (37%)
- Blue (14%)



- Red (87%)
- Yellow (48%)
- Blue (14%)



- Cyan (0%)
- Magenta (57%)
- Yellow (84%)
- Black (13%)




- Cyan (13%)
- Magenta (63%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9937, 0.5510, 0.3796 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 23.9937, 0.5510, 0.3796 by changing the saturation by 10% instead.


 23.9937, 0.5510,
0.3796


 23.9937, 0.5510,
0.3796


272.7886, 0.4258,
0.3684

 15.3289, 0.5799,
0.3751


 50.0199, 0.5062,
0.3805

 9.0506, 0.6158,
0.3659


 68.1502, 0.4890,
0.3792

 4.7742, 0.6551,
0.3449


 90.2044, 0.4743,
0.3775

 2.1154, 0.6960,
0.3040

 116.5670, 0.4617,
0.3756

 0.6733, 0.7649,
0.2351

 147.6223, 0.4509,
0.3737

 0.0000, 1.0000,
0.0000

 183.7547, 0.4414,

 0.0000, 0.0000,

0.3719

0.0000

225.3487, 0.4331,
0.3701

■ 23.9937, 0.5510,
0.3796

■ 23.9937, 0.5510,
0.3796

■ 21.4278, 0.5798,
0.3724

■ 27.1795, 0.5167,
0.3819


■ 20.2158, 0.5935,
0.3670


■ 31.0234, 0.4803,
0.3797


■ 35.5649, 0.4449,
0.3742


■ 40.8385, 0.4124,
0.3667

■ 46.8763, 0.3836,
0.3581

 53.7085, 0.3587,
0.3493

 61.3635, 0.3375,
0.3406

 69.8681, 0.3195,
0.3324

 79.2480, 0.3044,
0.3247

Harmonies

Analogous

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



23.9937, 0.5258, 0.3040



23.9937, 0.5510, 0.3796



23.9937, 0.4982, 0.4638

Triad

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



23.9937, 0.5510, 0.3796



23.9937, 0.1950, 0.4514



23.9937, 0.1907, 0.1595

Complementary

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



23.9937, 0.5510, 0.3796



31.8827, 0.2030, 0.2388

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.



23.9937, 0.1369, 0.1636



23.9937, 0.5510, 0.3796



23.9937, 0.1352, 0.3007

Square

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



23.9937, 0.5510, 0.3796



23.9937, 0.2941, 0.5599



23.9937, 0.1187, 0.2046



23.9937, 0.2880, 0.1847

Rectangle

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



23.9937, 0.5510, 0.3796



23.9937, 0.4375, 0.5201



23.9937, 0.1187, 0.2046



23.9937, 0.1683, 0.1575

Sweetspot

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



23.9951, 0.5510, 0.3796



71.9171, 0.3608, 0.3501



19.5523, 0.4014, 0.2082



14.6723, 0.3692, 0.3532



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.



23.9951, 0.5510, 0.3796



27.2012, 0.5948, 0.3659



52.0057, 0.4444, 0.4732



14.4109, 0.3284, 0.3365



12.0673, 0.5908, 0.3691



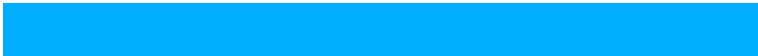
0.9942, 0.5606, 0.3931

Inverse Universe

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



31.8827, 0.2030, 0.2388



37.3462, 0.1942, 0.2190



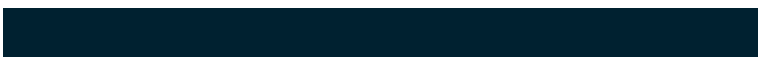
10.0006, 0.1666, 0.1030



14.7961, 0.2982, 0.3213



16.5173, 0.1949, 0.2217



1.3042, 0.2001, 0.2402

Previews

White Background



This preview shows how the Yxy color 23.9937, 0.5510, 0.3796 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 23.9937, 0.5510, 0.3796 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 23.9937, 0.5510, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 23.9937, 0.5510, 0.3796.



This preview shows how white text looks on a background with the Yxy color 23.9937, 0.5510, 0.3796.

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

23.9937, 0.5510, 0.3796

Protanopia

24.0967, 0.4213, 0.4636

Deuteranopia

24.0314, 0.4658, 0.4585



Tritanopia

23.9785, 0.4945, 0.3232

Trichromacy



Original Color

23.9937, 0.5510, 0.3796

Protanomaly

22.9401, 0.4730, 0.4297

Deuteranomaly

23.3798, 0.5004, 0.4268

Tritanomaly

23.8105, 0.5208, 0.3475

Monochromacy



Original Color

23.9937, 0.5510, 0.3796

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.6288, 0.4031, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9937, 0.5510, 0.3796 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, 95, 35)` looks like.

```
.text, #text, p{  
    color:rgb(223, 95, 35)  
}
```

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, 95, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 95, 35) }
```

Border

The CSS property to change the border of an element to Yxy 23.9937, 0.5510, 0.3796 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, 95, 35) }
```

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

```
.border{ border-color:rgb(223, 95, 35) }
```

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

Here you see how a box with a 4 pixel rgb(223, 95, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 95, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 95, 35);  
box-shadow:4px 4px 4px 4px rgb(223, 95,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9937, 0.5510, 0.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 95, 35) }
```

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

```
.background{ background-color: rgb(223, 95,  
35) }
```

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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