

Converting Colors

$Y_{xy}(23.6954, 0.5794, 0.3616)$

Have a look what the booklet for
Yxy(23.6954, 0.5794, 0.3616)
contains.

Yxy(23.6954, 0.5794, 0.3616)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.6954, 0.5794, 0.3616)

Conversions

Conversions Part 1	
Format	Color
Hex	ED4F1F
RGB	237, 79, 31
RGB Percent	93%, 31%, 12%
CMY	0.0706, 0.6901, 0.8786
CMYK	0.00, 0.67, 0.87, 0.07
HSL	14°, 85%, 53%
HSV	14°, 87%, 93%
XYZ	37.9677, 23.6954, 3.8662
YIQ	120.7700, 109.5760, 18.5680

Conversions

Conversions Part 2

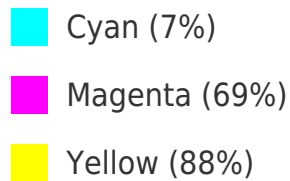
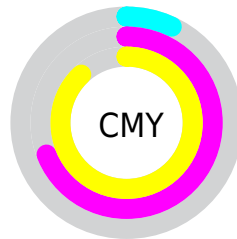
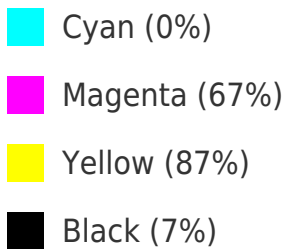
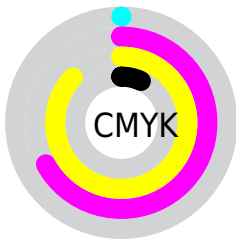
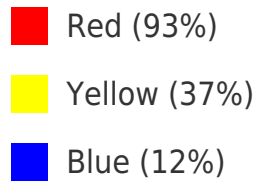
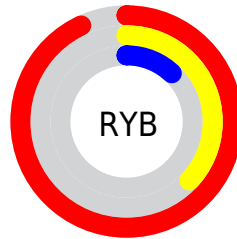
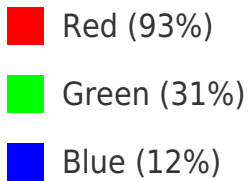
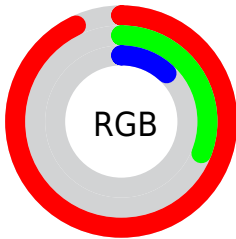
Format	Color
RYB	237, 94, 31
Decimal	15552287
CIELab	55.78, 58.83, 58.02
CIELCh	56, 82.634, 44.603
Yxy	23.6954, 0.5794, 0.3616
Android (android.graphics.Color)	4293742367 (0xFFED4F1F)
YUV	120.7700, -44.2566, 101.9337
Hunter-Lab	48.6779, 54.0396, 29.3655

Details

The Yxy color **23.6954, 0.5794, 0.3616** 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 **42.7781, 0.2083, 0.2618**, and the grayscale version is **19.1621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1971, 0.4971, 0.3789**, and **8.9009, 0.6373, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **21.3406, 0.6067, 0.3535**, and if you desaturate by 10%, it is **26.8606, 0.5435, 0.3659**.

Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6954, 0.5794, 0.3616 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 23.6954, 0.5794, 0.3616 by changing the saturation by 10% instead.


 23.6954, 0.5794,
0.3616


 23.6954, 0.5794,
0.3616


 271.2769, 0.4402,
0.3633

 15.1078, 0.6107,
0.3530


 49.5327, 0.5302,
0.3680


 8.8951, 0.6508,
0.3394


 67.5512, 0.5110,
0.3686


 4.6728, 0.6894,
0.3106


 89.4821, 0.4947,
0.3684

 2.0566, 0.7352,
0.2648

 115.7098, 0.4806,
0.3677

 0.6401, 0.8089,
0.1911

 146.6188, 0.4684,
0.3667

 0.0000, 1.0000,
0.0000

 182.5933, 0.4578,

 0.0000, 0.0000,

0.3656

0.0000

224.0179, 0.4485,
0.3644

23.6954, 0.5794,
0.3616

23.6954, 0.5794,
0.3616

21.3406, 0.6067,
0.3535

26.8606, 0.5435,
0.3659


20.7624, 0.6136,
0.3510


30.9029, 0.5034,
0.3662

35.8857, 0.4636,
0.3633


41.8650, 0.4267,
0.3583

48.8922, 0.3943,
0.3522

 57.0153, 0.3667,
0.3457

 66.2789, 0.3435,
0.3392

 76.7253, 0.3242,
0.3330

 88.3946, 0.3081,
0.3273

Harmonies

Analogous

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



23.6954, 0.5381, 0.2840



23.6954, 0.5794, 0.3616



23.6954, 0.5266, 0.4511

Triad

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



23.6954, 0.5794, 0.3616



23.6954, 0.1950, 0.5011



23.6954, 0.1648, 0.1426

Complementary

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



23.6954, 0.5794, 0.3616



42.7781, 0.2083, 0.2618

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.



23.6954, 0.1155, 0.1516



23.6954, 0.5794, 0.3616



23.6954, 0.1241, 0.3201

Square

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



23.6954, 0.5794, 0.3616



23.6954, 0.3058, 0.5999



23.6954, 0.1019, 0.2018



23.6954, 0.2614, 0.1642

Rectangle

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



23.6954, 0.5794, 0.3616



23.6954, 0.4611, 0.5178



23.6954, 0.1019, 0.2018



23.6954, 0.1438, 0.1420

Sweetspot

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



23.6968, 0.5794, 0.3616



68.1839, 0.3646, 0.3452



22.8039, 0.3751, 0.1902



13.8397, 0.3736, 0.3474



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.



23.6968, 0.5794, 0.3616



24.4364, 0.6143, 0.3505



50.1917, 0.4669, 0.4576



15.6241, 0.3287, 0.3346



11.5016, 0.6110, 0.3531



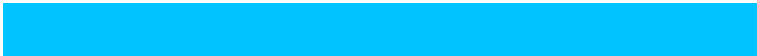
1.0468, 0.5844, 0.3742

Inverse Universe

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



42.7781, 0.2083, 0.2618



46.4886, 0.2029, 0.2503



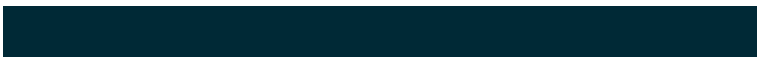
13.6065, 0.1695, 0.1185



16.4917, 0.2981, 0.3234



21.7534, 0.2033, 0.2520



1.8523, 0.2067, 0.2639

Previews

White Background



This preview shows how the Yxy color 23.6954, 0.5794, 0.3616 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 23.6954, 0.5794, 0.3616 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 23.6954, 0.5794, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 23.6954, 0.5794, 0.3616.



This preview shows how white text looks on a background with the Yxy color 23.6954, 0.5794, 0.3616.

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

23.6954, 0.5794, 0.3616

Protanopia

23.7237, 0.4212, 0.4631

Deuteranopia

23.7248, 0.4720, 0.4634



Tritanopia

23.6248, 0.5397, 0.3262

Trichromacy



Original Color

23.6954, 0.5794, 0.3616

Protanomaly

22.1329, 0.4870, 0.4196

Deuteranomaly

22.6454, 0.5188, 0.4213

Tritanomaly

23.6829, 0.5581, 0.3417

Monochromacy



Original Color

23.6954, 0.5794, 0.3616

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.7992, 0.4193, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6954, 0.5794, 0.3616 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(237, 79, 31)` looks like.

```
.text, #text, p{  
    color:rgb(237, 79, 31)  
}
```

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(237, 79, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 79, 31) }
```

Border

The CSS property to change the border of an element to Yxy 23.6954, 0.5794, 0.3616 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(237, 79, 31) }
```

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

```
.border{ border-color:rgb(237, 79, 31) }
```

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

Here you see how a box with a 4 pixel rgb(237, 79, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 79, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 79, 31);  
box-shadow:4px 4px 4px 4px rgb(237, 79,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6954, 0.5794, 0.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 79, 31) }
```

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

```
.background{ background-color: rgb(237, 79,  
31) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor