

Converting Colors

$Y_{xy}(31.7290, 0.4933, 0.3479)$

Have a look what the booklet for
Yxy(31.7290, 0.4933, 0.3479)
contains.

Yxy(31.6912, 0.4927, 0.3475)	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(31.6912, 0.4927, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	F3715F
RGB	243, 113, 95
RGB Percent	95%, 44%, 37%
CMY	0.0471, 0.5568, 0.6275
CMYK	0.00, 0.53, 0.61, 0.05
HSL	7°, 86%, 66%
HSV	7°, 61%, 95%
XYZ	44.9331, 31.6912, 14.5734
YIQ	149.8180, 83.2580, 21.9620

Conversions

Conversions Part 2

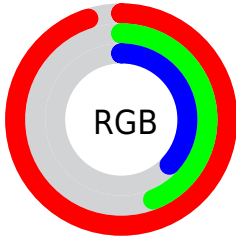
Format	Color
R _Y B	243, 115, 95
Decimal	15954271
CIE Lab	63.09, 48.61, 34.05
CIE LCh	63, 59.353, 35.010
Yxy	31.6912, 0.4927, 0.3475
Android (android.graphics.Color)	4294144351 (0xFFFF3715F)
YUV	149.8180, -27.0253, 81.7206
Hunter-Lab	56.2949, 43.9578, 24.0577

Details

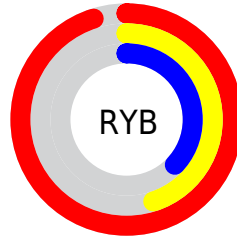
The Yxy color **31.6912, 0.4927, 0.3475** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **62.7474, 0.2333, 0.3062**, and the grayscale version is **30.5094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3406, 0.4148, 0.3524**, and **13.1651, 0.5489, 0.3416** is the 20% darker color. If you saturate the color by 10%, you get **27.1023, 0.5376, 0.3478**, and if you desaturate by 10%, it is **37.5410, 0.4500, 0.3456**.

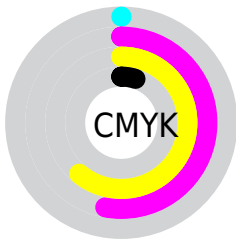
Distribution



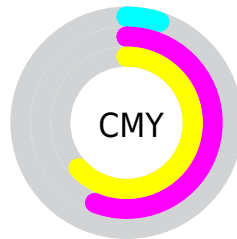
- Red (95%)
- Green (44%)
- Blue (37%)



- Red (95%)
- Yellow (45%)
- Blue (37%)



- Cyan (0%)
- Magenta (53%)
- Yellow (61%)
- Black (5%)





- Cyan (5%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6912, 0.4927, 0.3475 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 31.6912, 0.4927, 0.3475 by changing the saturation by 10% instead.


 31.6912, 0.4927,
0.3475


 31.6912, 0.4927,
0.3475


309.7102, 0.3973,
0.3444


 21.1257, 0.5172,
0.3457


 62.3267, 0.4573,
0.3482

 13.2159, 0.5485,
0.3417


 83.1655, 0.4441,
0.3478

 7.5774, 0.5892,
0.3333


 108.1975, 0.4331,
0.3474

 3.8258, 0.6479,
0.3186

 137.8072, 0.4238,
0.3468

 1.5766, 0.7175,
0.2825

172.3789, 0.4157,
0.3462

 0.3417, 0.8330,
0.1670

212.2970, 0.4088,

 0.0000, 1.0000,

0.3456

0.0000

257.9460, 0.4027,
0.3450

0.0000, 0.0000,
0.0000

31.6912, 0.4927,
0.3475

31.6912, 0.4927,
0.3475

27.1023, 0.5376,
0.3478

37.5410, 0.4500,
0.3456

23.6760, 0.5796,
0.3459

44.7300, 0.4121,
0.3426

21.3081, 0.6125,
0.3416

53.3363, 0.3800,
0.3392

19.9622, 0.6314,
0.3369

63.4304, 0.3535,
0.3358

75.0781, 0.3318,
0.3324

■ 88.3413, 0.3141,
0.3293

■ 97.7950, 0.3054,
0.3290

Harmonies

Analogous

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



31.6912, 0.4382, 0.2853



31.6912, 0.4927, 0.3475



31.6912, 0.4864, 0.4136

Triad

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



31.6912, 0.4927, 0.3475



31.6912, 0.2629, 0.4630



31.6912, 0.1912, 0.1922

Complementary

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



31.6912, 0.4927, 0.3475



62.7474, 0.2333, 0.3062

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.



31.6912, 0.1605, 0.2124



31.6912, 0.4927, 0.3475



31.6912, 0.1949, 0.3630

Square

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



31.6912, 0.4927, 0.3475



31.6912, 0.3495, 0.5042



31.6912, 0.1609, 0.2685



31.6912, 0.2538, 0.2007

Rectangle

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



31.6912, 0.4927, 0.3475



31.6912, 0.4536, 0.4562



31.6912, 0.1609, 0.2685



31.6912, 0.1775, 0.1955

Sweetspot

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



31.6929, 0.4927, 0.3475



74.3097, 0.3468, 0.3348



32.7146, 0.3366, 0.2011



15.1334, 0.3536, 0.3358



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.



31.6929, 0.4927, 0.3475



29.2568, 0.5476, 0.3476



55.1107, 0.4349, 0.4232



16.8073, 0.3291, 0.3319



11.0571, 0.6297, 0.3382



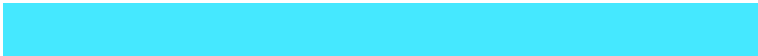
1.0741, 0.6112, 0.3529

Inverse Universe

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



62.7474, 0.2333, 0.3062



66.3868, 0.2241, 0.3009



31.2725, 0.2104, 0.2051



18.3933, 0.2981, 0.3260



29.9217, 0.2139, 0.2901



2.7248, 0.2154, 0.2954

Previews

White Background



This preview shows how the Yxy color 31.6912, 0.4927, 0.3475 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.6912, 0.4927, 0.3475 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6912, 0.4927, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 31.6912, 0.4927, 0.3475.



This preview shows how white text looks on a background with the Yxy color 31.6912, 0.4927, 0.3475.

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

31.6912, 0.4927, 0.3475

Protanopia

31.9295, 0.3661, 0.3925

Deuteranopia

31.7181, 0.4149, 0.4071



Tritanopia

31.6693, 0.4690, 0.3222

Trichromacy



Original Color

31.6912, 0.4927, 0.3475

Protanomaly

30.5343, 0.4119, 0.3740

Deuteranomaly

31.0709, 0.4451, 0.3826

Tritanomaly

31.7061, 0.4784, 0.3315

Monochromacy



Original Color

31.6912, 0.4927, 0.3475

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.6934, 0.3739, 0.3391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6912, 0.4927, 0.3475 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(243, 113, 95)` looks like.

```
.text, #text, p{  
    color:rgb(243, 113, 95)  
}
```

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(243, 113, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 113, 95) }
```

Border

The CSS property to change the border of an element to Yxy 31.6912, 0.4927, 0.3475 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(243, 113, 95) }
```

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

```
.border{ border-color:rgb(243, 113, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 113, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 113, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 113, 95);  
box-shadow:4px 4px 4px 4px rgb(243, 113,  
95) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.6912, 0.4927, 0.3475$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 113, 95) }
```

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

```
.background{ background-color: rgb(243,  
113, 95) }
```

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