

Converting Colors

$Y_{xy}(31.9890, 0.4994, 0.3540)$

Have a look what the booklet for
Yxy(31.9890, 0.4994, 0.3540)
contains.

Yxy(31.9890, 0.4994, 0.3540)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9890, 0.4994, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	F47259
RGB	244, 114, 89
RGB Percent	96%, 45%, 35%
CMY	0.0432, 0.5529, 0.6510
CMYK	0.00, 0.53, 0.64, 0.04
HSL	10°, 88%, 65%
HSV	10°, 64%, 96%
XYZ	45.1280, 31.9890, 13.2474
YIQ	150.0200, 85.5050, 19.7850

Conversions

Conversions Part 2

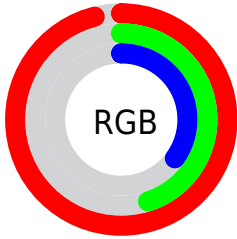
Format	Color
R _Y B	244, 119, 89
Decimal	16020057
CIE Lab	63.33, 48.11, 37.68
CIE LCh	63, 61.110, 38.067
Yxy	31.9890, 0.4994, 0.3540
Android (android.graphics.Color)	4294210137 (0xFFFF47259)
YUV	150.0200, -30.0829, 82.4205
Hunter-Lab	56.5588, 43.4463, 25.7040

Details

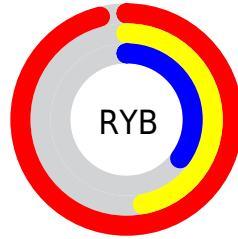
The Yxy color **31.9890, 0.4994, 0.3540** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **59.3123, 0.2292, 0.2970**, and the grayscale version is **30.6128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5294, 0.4199, 0.3596**, and **13.3440, 0.5566, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **27.5347, 0.5427, 0.3540**, and if you desaturate by 10%, it is **37.6151, 0.4573, 0.3517**.

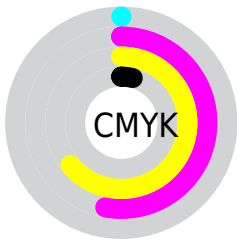
Distribution



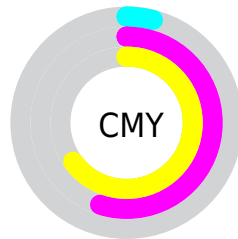
- Red (96%)
- Green (45%)
- Blue (35%)



- Red (96%)
- Yellow (47%)
- Blue (35%)



- Cyan (0%)
- Magenta (53%)
- Yellow (64%)
- Black (4%)





- Cyan (4%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9890, 0.4994, 0.3540 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 31.9890, 0.4994, 0.3540 by changing the saturation by 10% instead.

 31.9890, 0.4994,
0.3540


 31.9890, 0.4994,
0.3540


311.0691, 0.4010,
0.3484

 21.3531, 0.5243,
0.3525


 62.7938, 0.4631,
0.3540


 13.3823, 0.5557,
0.3486


 83.7316, 0.4496,
0.3534

 7.6924, 0.5960,
0.3400


 108.8720, 0.4382,
0.3526

 3.8987, 0.6579,
0.3272

 138.5996, 0.4285,
0.3517

 1.6171, 0.7143,
0.2857

 173.2987, 0.4202,
0.3508

 0.3691, 0.8239,
0.1761

213.3538, 0.4130,

 0.0000, 1.0000,

0.3500

0.0000

259.1491, 0.4066,
0.3492

0.0000, 0.0000,
0.0000

31.9890, 0.4994,
0.3540

31.9890, 0.4994,
0.3540

27.5347, 0.5427,
0.3540

37.6151, 0.4573,
0.3517

24.1633, 0.5824,
0.3511

44.4831, 0.4193,
0.3481


21.7812, 0.6127,
0.3453

52.6637, 0.3867,
0.3437

20.7078, 0.6263,
0.3409

62.2207, 0.3594,
0.3391

73.2137, 0.3369,
0.3346

 85.6989, 0.3184,
0.3304

 97.9725, 0.3060,
0.3290

Harmonies

Analogous

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



31.9890, 0.4496, 0.2902



31.9890, 0.4994, 0.3540



31.9890, 0.4863, 0.4215

Triad

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



31.9890, 0.4994, 0.3540



31.9890, 0.2530, 0.4584



31.9890, 0.1935, 0.1890

Complementary

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



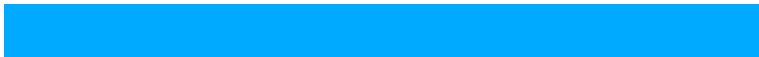
31.9890, 0.4994, 0.3540



59.3123, 0.2292, 0.2970

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.



31.9890, 0.1592, 0.2060



31.9890, 0.4994, 0.3540



31.9890, 0.1868, 0.3525

Square

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



31.9890, 0.4994, 0.3540



31.9890, 0.3406, 0.5086



31.9890, 0.1561, 0.2589



31.9890, 0.2606, 0.2004

Rectangle

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



31.9890, 0.4994, 0.3540



31.9890, 0.4496, 0.4646



31.9890, 0.1561, 0.2589



31.9890, 0.1785, 0.1912

Sweetspot

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



31.9907, 0.4994, 0.3540



74.0223, 0.3488, 0.3371



31.5846, 0.3434, 0.2012



15.1176, 0.3555, 0.3384



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.



31.9907, 0.4994, 0.3540



29.3350, 0.5539, 0.3535



56.6718, 0.4370, 0.4310



16.9143, 0.3290, 0.3329



11.3882, 0.6242, 0.3426



1.1246, 0.6029, 0.3595

Inverse Universe

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



59.3123, 0.2292, 0.2970



61.3850, 0.2197, 0.2896



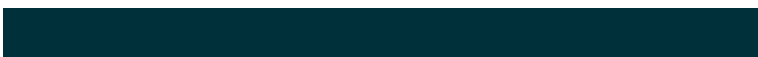
28.3755, 0.2046, 0.1915



18.2758, 0.2980, 0.3251



27.3671, 0.2102, 0.2768



2.5244, 0.2122, 0.2840

Previews

White Background



This preview shows how the Yxy color 31.9890, 0.4994, 0.3540 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 31.9890, 0.4994, 0.3540 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 31.9890, 0.4994, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 31.9890, 0.4994, 0.3540.



This preview shows how white text looks on a background with the Yxy color 31.9890, 0.4994, 0.3540.

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

31.9890, 0.4994, 0.3540

Protanopia

32.3262, 0.3745, 0.4037

Deuteranopia

32.1833, 0.4219, 0.4148



Tritanopia

32.0527, 0.4696, 0.3213

Trichromacy



Original Color

31.9890, 0.4994, 0.3540

Protanomaly

30.9682, 0.4199, 0.3826

Deuteranomaly

31.3937, 0.4514, 0.3902

Tritanomaly

31.8429, 0.4818, 0.3335

Monochromacy



Original Color

31.9890, 0.4994, 0.3540

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.6402, 0.3762, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9890, 0.4994, 0.3540 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(244, 114, 89)` looks like.

```
.text, #text, p{  
    color:rgb(244, 114, 89)  
}
```

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(244, 114, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 114, 89) }
```

Border

The CSS property to change the border of an element to Yxy 31.9890, 0.4994, 0.3540 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(244, 114, 89) }
```

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

```
.border{ border-color:rgb(244, 114, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 114, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 114, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 114, 89);  
box-shadow:4px 4px 4px 4px rgb(244, 114,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9890, 0.4994, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 114, 89) }
```

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

```
.background{ background-color: rgb(244,  
114, 89) }
```

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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