

Converting Colors

$Yxy(31.7475, 0.4844, 0.3353)$

Have a look what the booklet for
Yxy(31.7475, 0.4844, 0.3353)
contains.

Yxy(31.8013, 0.4842, 0.3355)	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(31.8013, 0.4842, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	F56F69
RGB	245, 111, 105
RGB Percent	96%, 44%, 41%
CMY	0.0391, 0.5647, 0.5881
CMYK	0.00, 0.55, 0.57, 0.04
HSL	3°, 88%, 69%
HSV	3°, 57%, 96%
XYZ	45.8962, 31.8013, 17.0902
YIQ	150.3820, 81.7900, 26.5420

Conversions

Conversions Part 2

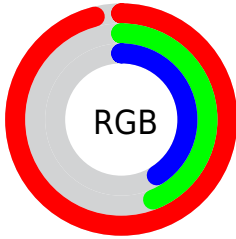
Format	Color
R _Y B	245, 111, 105
Decimal	16084841
CIE Lab	63.18, 50.98, 28.63
CIE LCh	63, 58.471, 29.317
Yxy	31.8013, 0.4842, 0.3355
Android (android.graphics.Color)	4294274921 (0xFFFF56F69)
YUV	150.3820, -22.3733, 82.9800
Hunter-Lab	56.3926, 46.5886, 21.5065

Details

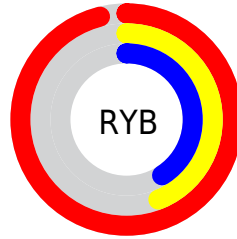
The Yxy color **31.8013, 0.4842, 0.3355** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **71.3619, 0.2397, 0.3216**, and the grayscale version is **30.7415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9327, 0.4062, 0.3398**, and **13.2011, 0.5384, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **26.9057, 0.5314, 0.3358**, and if you desaturate by 10%, it is **38.1892, 0.4403, 0.3347**.

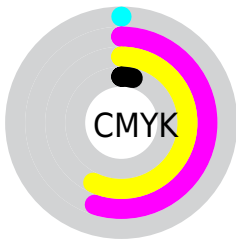
Distribution



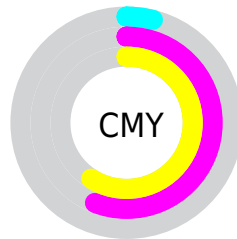
- Red (96%)
- Green (44%)
- Blue (41%)



- Red (96%)
- Yellow (44%)
- Blue (41%)



- Cyan (0%)
- Magenta (55%)
- Yellow (57%)
- Black (4%)




- Cyan (4%)
- Magenta (56%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8013, 0.4842, 0.3355 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 31.8013, 0.4842, 0.3355 by changing the saturation by 10% instead.

 31.8013, 0.4842,
0.3355


 31.8013, 0.4842,
0.3355


310.2131, 0.3929,
0.3375

 21.2098, 0.5080,
0.3329


 62.4995, 0.4501,
0.3377


 13.2774, 0.5388,
0.3282


 83.3749, 0.4375,
0.3381

 7.6199, 0.5795,
0.3194


 108.4471, 0.4270,
0.3382

 3.8527, 0.6350,
0.3028

 138.1004, 0.4181,
0.3382

 1.5915, 0.7251,
0.2749

172.7193, 0.4104,
0.3381

 0.3519, 0.8376,
0.1624

212.6881, 0.4038,

 0.0000, 1.0000,

0.3379

0.0000

258.3912, 0.3980,
0.3377

0.0000, 0.0000,
0.0000

31.8013, 0.4842,
0.3355

31.8013, 0.4842,
0.3355

26.9057, 0.5314,
0.3358

38.1892, 0.4403,
0.3347

23.3768, 0.5767,
0.3353

46.1714, 0.4024,
0.3335

21.0770, 0.6129,
0.3338


55.8472, 0.3709,
0.3322

19.8370, 0.6341,
0.3319

67.3062, 0.3454,
0.3310

19.6425, 0.6379,
0.3317

80.6316, 0.3248,
0.3298

 95.9016, 0.3084,
0.3287

 98.1557, 0.3066,
0.3290

Harmonies

Analogous

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



31.8013, 0.4204, 0.2753



31.8013, 0.4842, 0.3355



31.8013, 0.4895, 0.4005

Triad

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



31.8013, 0.4842, 0.3355



31.8013, 0.2794, 0.4742



31.8013, 0.1846, 0.1954

Complementary

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



31.8013, 0.4842, 0.3355



71.3619, 0.2397, 0.3216

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.



31.8013, 0.1601, 0.2216



31.8013, 0.4842, 0.3355



31.8013, 0.2070, 0.3827

Square

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



31.8013, 0.4842, 0.3355



31.8013, 0.3656, 0.5004



31.8013, 0.1665, 0.2847



31.8013, 0.2406, 0.1988

Rectangle

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



31.8013, 0.4842, 0.3355



31.8013, 0.4629, 0.4434



31.8013, 0.1665, 0.2847



31.8013, 0.1730, 0.2006

Sweetspot

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



31.8030, 0.4842, 0.3355



73.8350, 0.3452, 0.3310



35.8361, 0.3234, 0.1981



15.2276, 0.3499, 0.3312



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.



31.8030, 0.4842, 0.3355



28.5687, 0.5409, 0.3358



52.9528, 0.4343, 0.4072



16.5956, 0.3293, 0.3301



10.6301, 0.6370, 0.3324



0.9734, 0.6294, 0.3385

Inverse Universe

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



71.3619, 0.2397, 0.3216



75.7131, 0.2310, 0.3198



38.4811, 0.2199, 0.2303



18.6296, 0.2981, 0.3279



35.4787, 0.2210, 0.3157



3.1551, 0.2215, 0.3174

Previews

White Background



This preview shows how the Yxy color 31.8013, 0.4842, 0.3355 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 31.8013, 0.4842, 0.3355 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 31.8013, 0.4842, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 31.8013, 0.4842, 0.3355.



This preview shows how white text looks on a background with the Yxy color 31.8013, 0.4842, 0.3355.

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

31.8013, 0.4842, 0.3355

Protanopia

31.9991, 0.3521, 0.3747

Deuteranopia

32.0826, 0.4034, 0.3958



Tritanopia

31.8145, 0.4715, 0.3213

Trichromacy



Original Color

31.8013, 0.4842, 0.3355

Protanomaly

30.7754, 0.3996, 0.3592

Deuteranomaly

31.2552, 0.4344, 0.3709

Tritanomaly

31.9369, 0.4759, 0.3264

Monochromacy



Original Color

31.8013, 0.4842, 0.3355

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.6438, 0.3709, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8013, 0.4842, 0.3355 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(245, 111, 105)` looks like.

```
.text, #text, p{  
    color:rgb(245, 111, 105)  
}
```

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(245, 111, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 111, 105) }
```

Border

The CSS property to change the border of an element to Yxy 31.8013, 0.4842, 0.3355 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(245, 111, 105) }
```

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

```
.border{ border-color:rgb(245, 111, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 111, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 111, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 111, 105);  
box-shadow:4px 4px 4px 4px rgb(245, 111,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8013, 0.4842, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 111, 105) }
```

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

```
.background{ background-color: rgb(245,  
111, 105) }
```

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