

Converting Colors

$Y_{xy}(31.5248, 0.4893, 0.3161)$

Have a look what the booklet for
Yxy(31.5248, 0.4893, 0.3161)
contains.

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Color

Yxy(31.5892, 0.4890, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	FF6472
RGB	255, 100, 114
RGB Percent	100%, 39%, 45%
CMY	0.0000, 0.6078, 0.5529
CMYK	0.00, 0.61, 0.55, 0.00
HSL	355°, 100%, 70%
HSV	355°, 61%, 100%
XYZ	48.8369, 31.5892, 19.4449
YIQ	147.9410, 87.8860, 37.2140

Conversions

Conversions Part 2

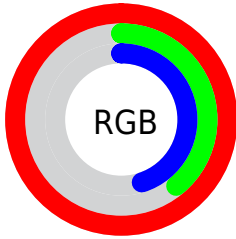
Format	Color
R_{YB}	255, 100, 114
Decimal	16737394
CIE Lab	63.00, 59.95, 23.58
CIE LCh	63, 64.419, 21.474
Yxy	31.5892, 0.4890, 0.3163
Android (android.graphics.Color)	4294927474 (0xFFFF6472)
YUV	147.9410, -16.7329, 93.8907
Hunter-Lab	56.2043, 56.7445, 18.8305

Details

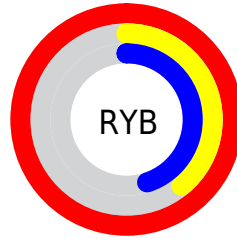
The Yxy color **31.5892, 0.4890, 0.3163** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **80.5798, 0.2439, 0.3455**, and the grayscale version is **29.6318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1271, 0.3999, 0.3198**, and **13.1174, 0.5455, 0.3047** is the 20% darker color. If you saturate the color by 10%, you get **26.9767, 0.5350, 0.3165**, and if you desaturate by 10%, it is **37.8662, 0.4457, 0.3174**.

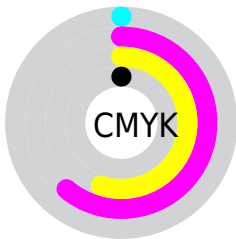
Distribution



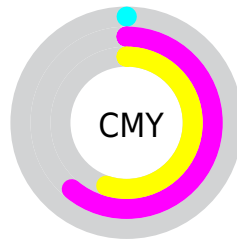
- Red (100%)
- Green (39%)
- Blue (45%)



- Red (100%)
- Yellow (39%)
- Blue (45%)



- Cyan (0%)
- Magenta (61%)
- Yellow (55%)
- Black (0%)




- Cyan (0%)
- Magenta (61%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5892, 0.4890, 0.3163 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 31.5892, 0.4890, 0.3163 by changing the saturation by 10% instead.


 31.5892, 0.4890,
0.3163


 31.5892, 0.4890,
0.3163

309.2436, 0.3950,
0.3278


 21.0479, 0.5136,
0.3115


 62.1665, 0.4538,
0.3219

 13.1590, 0.5456,
0.3042


 82.9714, 0.4409,
0.3235

 7.5381, 0.5882,
0.2925


 107.9662, 0.4301,
0.3248

 3.8009, 0.6464,
0.2724

 137.5354, 0.4209,
0.3257

 1.5628, 0.7548,
0.2452

172.0633, 0.4130,
0.3264

 0.3323, 0.8672,
0.1328

211.9344, 0.4062,

 0.0000, 1.0000,

0.3270

0.0000

257.5330, 0.4003,
0.3275

■ 0.0000, 0.0000,
0.0000

■ 31.5892, 0.4890,
0.3163

■ 31.5892, 0.4890,
0.3163

■ 26.9767, 0.5350,
0.3165

■ 37.8662, 0.4457,
0.3174

■ 23.8693, 0.5785,
0.3184

■ 45.9454, 0.4080,
0.3194

■ 22.0779, 0.6128,
0.3220

■ 55.9510, 0.3765,
0.3217

■ 21.3220, 0.6323,
0.3257

■ 67.9960, 0.3509,
0.3242

■ 82.1847, 0.3303,
0.3266

98.6142, 0.3139,
0.3288

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



31.5892, 0.4052, 0.2548



31.5892, 0.4890, 0.3163



31.5892, 0.5106, 0.3846

Triad

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



31.5892, 0.4890, 0.3163



31.5892, 0.2984, 0.5076



31.5892, 0.1642, 0.1881

Complementary

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



31.5892, 0.4890, 0.3163



80.5798, 0.2439, 0.3455

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.



31.5892, 0.1466, 0.2246



31.5892, 0.4890, 0.3163



31.5892, 0.2140, 0.4191

Square

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



31.5892, 0.4890, 0.3163



31.5892, 0.3915, 0.5109



31.5892, 0.1616, 0.3040



31.5892, 0.2146, 0.1847

Rectangle

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



31.5892, 0.4890, 0.3163



31.5892, 0.4891, 0.4320



31.5892, 0.1616, 0.3040



31.5892, 0.1548, 0.1962

Sweetspot

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



31.5895, 0.4890, 0.3163



71.7267, 0.3447, 0.3249



34.7723, 0.3050, 0.1817



14.5187, 0.3512, 0.3242



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.



31.5895, 0.4890, 0.3163



26.1644, 0.5451, 0.3168



48.0209, 0.4597, 0.3909



18.0137, 0.3280, 0.3269



11.1502, 0.6302, 0.3246



1.0943, 0.6105, 0.3137

Inverse Universe

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



31.5895, 0.4890, 0.3163



26.1644, 0.5451, 0.3168



48.0694, 0.2206, 0.2502



18.0137, 0.3280, 0.3269



11.1502, 0.6302, 0.3246



1.0943, 0.6105, 0.3137

Previews

White Background



This preview shows how the Yxy color 31.5892, 0.4890, 0.3163 looks on a white background.

Color Contrast Check

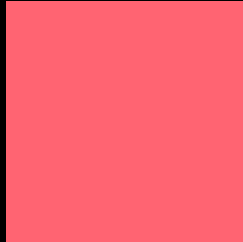
Large Text (above 18pt) WCAG AA × Fail

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 31.5892, 0.4890, 0.3163 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 31.5892, 0.4890, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 31.5892, 0.4890, 0.3163.



This preview shows how white text looks on a background with the Yxy color 31.5892, 0.4890, 0.3163.

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

31.5892, 0.4890, 0.3163

Protanopia

31.6915, 0.3323, 0.3489

Deuteranopia

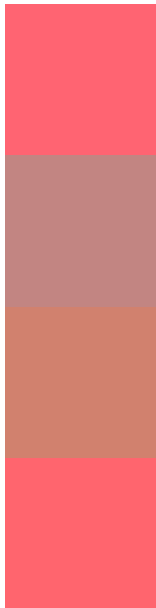
31.5644, 0.3925, 0.3845



Tritanopia

31.6501, 0.4960, 0.3230

Trichromacy



Original Color

31.5892, 0.4890, 0.3163

Protanomaly

29.8561, 0.3870, 0.3333

Deuteranomaly

30.3816, 0.4297, 0.3532

Tritanomaly

31.6931, 0.4935, 0.3211

Monochromacy



Original Color

31.5892, 0.4890, 0.3163

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.5750, 0.3727, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5892, 0.4890, 0.3163 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(255, 100, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 114)  
}
```

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(255, 100, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 114) }
```

Border

The CSS property to change the border of an element to Yxy 31.5892, 0.4890, 0.3163 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(255, 100, 114) }
```

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

```
.border{ border-color:rgb(255, 100, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5892, 0.4890, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 114) }
```

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

```
.background{ background-color: rgb(255,  
100, 114) }
```

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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