

Converting Colors

$Y_{xy}(37.2222, 0.5124, 0.3208)$

Have a look what the booklet for
Yxy(37.2222, 0.5124, 0.3208)
contains.

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Color

Yxy(31.7372, 0.4909, 0.3192)

Conversions

Conversions Part 1

Format	Color
Hex	FF6570
RGB	255, 101, 112
RGB Percent	100%, 40%, 44%
CMY	0.0001, 0.6038, 0.5608
CMYK	0.00, 0.60, 0.56, 0.00
HSL	356°, 100%, 70%
HSV	356°, 60%, 100%
XYZ	48.8089, 31.7372, 18.8812
YIQ	148.3000, 88.2530, 36.0690

Conversions

Conversions Part 2

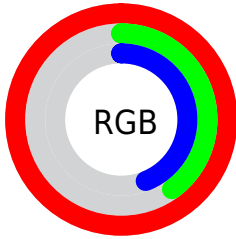
Format	Color
R _Y B	255, 101, 112
Decimal	16737648
CIE Lab	63.13, 59.34, 24.89
CIE LCh	63, 64.350, 22.759
Yxy	31.7372, 0.4909, 0.3192
Android (android.graphics.Color)	4294927728 (0xFFFF6570)
YUV	148.3000, -17.8959, 93.5759
Hunter-Lab	56.3358, 56.0634, 19.5637

Details

The Yxy color **31.7372, 0.4909, 0.3192** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **80.7997, 0.2430, 0.3418**, and the grayscale version is **29.8004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0543, 0.4019, 0.3219**, and **13.1625, 0.5484, 0.3077** is the 20% darker color. If you saturate the color by 10%, you get **27.0699, 0.5375, 0.3194**, and if you desaturate by 10%, it is **38.0820, 0.4469, 0.3201**.

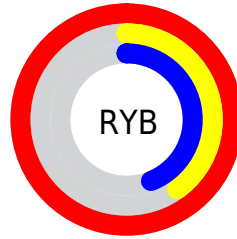
Distribution



Red (100%)

Green (40%)

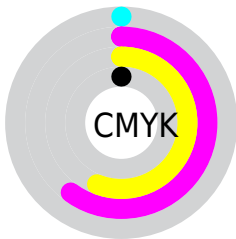
Blue (44%)



Red (100%)

Yellow (40%)

Blue (44%)

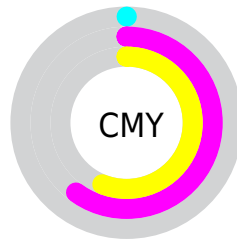


Cyan (0%)

Magenta (60%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (60%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7372, 0.4909, 0.3192 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 31.7372, 0.4909, 0.3192 by changing the saturation by 10% instead.


 31.7372, 0.4909,
0.3192


 31.7372, 0.4909,
0.3192


309.9204, 0.3960,
0.3295

 21.1608, 0.5157,
0.3147


 62.3989, 0.4554,
0.3244

 13.2416, 0.5478,
0.3076


 83.2530, 0.4424,
0.3259

 7.5951, 0.5905,
0.2961


 108.3018, 0.4314,
0.3270

 3.8370, 0.6484,
0.2761

 137.9297, 0.4222,
0.3278

 1.5828, 0.7522,
0.2478

172.5212, 0.4142,
0.3284

 0.3460, 0.8623,
0.1377

212.4605, 0.4074,

 0.0000, 1.0000,

0.3288


0.0000


258.1321, 0.4013,
0.3292


 0.0000, 0.0000,
0.0000

 31.7372, 0.4909,
0.3192

 31.7372, 0.4909,
0.3192


 27.0699, 0.5375,
0.3194


 38.0820, 0.4469,
0.3201


 23.9164, 0.5813,
0.3210


 46.2374, 0.4086,
0.3216

 22.0895, 0.6153,
0.3239

 56.3293, 0.3767,
0.3234

 21.2976, 0.6345,
0.3269

 68.4707, 0.3507,
0.3253

 82.7661, 0.3299,
0.3272

99.3128, 0.3133,
0.3289

99.9935, 0.3127,
0.3290

Harmonies

Analogous

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



31.7372, 0.4093, 0.2574



31.7372, 0.4909, 0.3192



31.7372, 0.5096, 0.3876

Triad

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



31.7372, 0.4909, 0.3192



31.7372, 0.2945, 0.5049



31.7372, 0.1660, 0.1877

Complementary

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



31.7372, 0.4909, 0.3192



80.7997, 0.2430, 0.3418

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.



31.7372, 0.1470, 0.2225



31.7372, 0.4909, 0.3192



31.7372, 0.2112, 0.4138

Square

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



31.7372, 0.4909, 0.3192



31.7372, 0.3876, 0.5119



31.7372, 0.1606, 0.2998



31.7372, 0.2178, 0.1855

Rectangle

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



31.7372, 0.4909, 0.3192



31.7372, 0.4866, 0.4348



31.7372, 0.1606, 0.2998



31.7372, 0.1561, 0.1952

Sweetspot

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



31.7390, 0.4909, 0.3192



71.6820, 0.3454, 0.3258



35.4353, 0.3075, 0.1835



14.5081, 0.3520, 0.3252



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.



31.7390, 0.4909, 0.3192



26.4649, 0.5450, 0.3196



49.1682, 0.4564, 0.3932



18.0080, 0.3283, 0.3273



11.1395, 0.6327, 0.3259



1.0916, 0.6165, 0.3170

Inverse Universe

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



31.7390, 0.4909, 0.3192



26.4649, 0.5450, 0.3196



47.1750, 0.2203, 0.2474



18.0080, 0.3283, 0.3273



11.1395, 0.6327, 0.3259



1.0916, 0.6165, 0.3170

Previews

White Background



This preview shows how the Yxy color 31.7372, 0.4909, 0.3192 looks on a white background.

Color Contrast Check

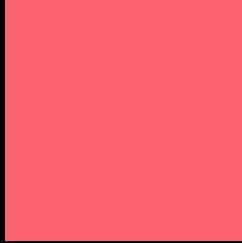
Large Text (above 18pt) WCAG AA × Fail

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 31.7372, 0.4909, 0.3192 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 31.7372, 0.4909, 0.3192

Background



This preview shows how black text looks on a background with the Yxy color 31.7372, 0.4909, 0.3192.



This preview shows how white text looks on a background with the Yxy color 31.7372, 0.4909, 0.3192.

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

31.7372, 0.4909, 0.3192

Protanopia

32.0336, 0.3361, 0.3550

Deuteranopia

31.9546, 0.3951, 0.3883



Tritanopia

31.8455, 0.4953, 0.3239

Trichromacy



Original Color

31.7372, 0.4909, 0.3192

Protanomaly

30.1846, 0.3912, 0.3387

Deuteranomaly

30.6033, 0.4314, 0.3570

Tritanomaly

31.8669, 0.4941, 0.3230

Monochromacy



Original Color

31.7372, 0.4909, 0.3192

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.5467, 0.3739, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7372, 0.4909, 0.3192 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, 101, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 112)  
}
```

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, 101, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 112) }
```

Border

The CSS property to change the border of an element to Yxy 31.7372, 0.4909, 0.3192 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, 101, 112) }
```

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

```
.border{ border-color:rgb(255, 101, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 101, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
112) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.7372, 0.4909, 0.3192$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 112) }
```

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

```
.background{ background-color: rgb(255,  
101, 112) }
```

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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