

Converting Colors

$Y_{xy}(31.9632, 0.4898, 0.3199)$

Have a look what the booklet for
Yxy(31.9632, 0.4898, 0.3199)
contains.

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Color

Yxy(31.9326, 0.4903, 0.3201)

Conversions

Conversions Part 1

Format	Color
Hex	FF6670
RGB	255, 102, 112
RGB Percent	100%, 40%, 44%
CMY	0.0001, 0.5999, 0.5608
CMYK	0.00, 0.60, 0.56, 0.00
HSL	356°, 100%, 70%
HSV	356°, 60%, 100%
XYZ	48.9114, 31.9326, 18.9142
YIQ	148.8870, 87.9780, 35.5460

Conversions

Conversions Part 2

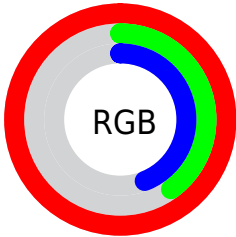
Format	Color
R_{YB}	255, 102, 112
Decimal	16737904
CIE _{Lab}	63.29, 58.92, 25.11
CIE _{LCh}	63, 64.048, 23.080
Yxy	31.9326, 0.4903, 0.3201
Android (android.graphics.Color)	4294927984 (0xFFFF6670)
YUV	148.8870, -18.1853, 93.0611
Hunter-Lab	56.5089, 55.6105, 19.7112

Details

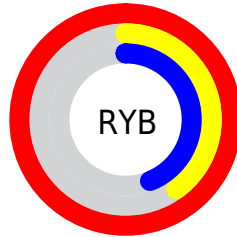
The Yxy color **31.9326, 0.4903, 0.3201** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **80.9288, 0.2429, 0.3406**, and the grayscale version is **30.0587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3941, 0.4015, 0.3229**, and **13.3044, 0.5470, 0.3093** is the 20% darker color. If you saturate the color by 10%, you get **27.2059, 0.5371, 0.3203**, and if you desaturate by 10%, it is **38.3441, 0.4463, 0.3209**.

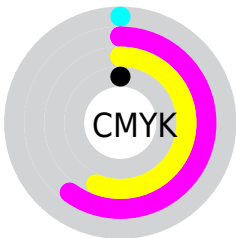
Distribution



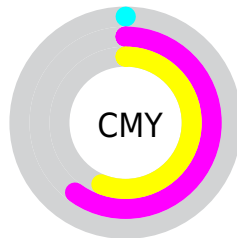
- Red (100%)
- Green (40%)
- Blue (44%)



- 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 31.9326, 0.4903, 0.3201 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 31.9326, 0.4903, 0.3201 by changing the saturation by 10% instead.

 31.9326, 0.4903,
0.3201


 31.9326, 0.4903,
0.3201


310.8121, 0.3958,
0.3299


 21.3100, 0.5150,
0.3157


 62.7054, 0.4550,
0.3251

 13.3508, 0.5469,
0.3088


 83.6244, 0.4420,
0.3265

 7.6706, 0.5893,
0.2975


 108.7444, 0.4311,
0.3276

 3.8849, 0.6468,
0.2778

 138.4497, 0.4219,
0.3283

 1.6094, 0.7500,
0.2500

173.1247, 0.4140,
0.3289

 0.3639, 0.8569,
0.1431

213.1539, 0.4071,

 0.0000, 1.0000,

0.3293


0.0000

258.9215, 0.4011,
0.3297

 0.0000, 0.0000,
0.0000

 31.9326, 0.4903,
0.3201


 31.9326, 0.4903,
0.3201


 27.2059, 0.5371,
0.3203


 38.3441, 0.4463,
0.3209


 24.0009, 0.5811,
0.3217


 46.5730, 0.4079,
0.3223


 22.1315, 0.6154,
0.3244

 56.7451, 0.3760,
0.3240

 21.2969, 0.6351,
0.3273

 68.9731, 0.3501,
0.3257

 21.2961, 0.6351,
0.3273

 83.3615, 0.3293,
0.3274

99.9968, 0.3127,
0.3290

Harmonies

Analogous

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



31.9326, 0.4098, 0.2584



31.9326, 0.4903, 0.3201



31.9326, 0.5083, 0.3883

Triad

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



31.9326, 0.4903, 0.3201



31.9326, 0.2938, 0.5030



31.9326, 0.1671, 0.1883

Complementary

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



31.9326, 0.4903, 0.3201



80.9288, 0.2429, 0.3406

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.



31.9326, 0.1479, 0.2226



31.9326, 0.4903, 0.3201



31.9326, 0.2112, 0.4120

Square

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



31.9326, 0.4903, 0.3201



31.9326, 0.3864, 0.5111



31.9326, 0.1611, 0.2990



31.9326, 0.2191, 0.1863

Rectangle

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



31.9326, 0.4903, 0.3201



31.9326, 0.4851, 0.4353



31.9326, 0.1611, 0.2990



31.9326, 0.1572, 0.1957

Sweetspot

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



31.9344, 0.4903, 0.3201



71.6682, 0.3456, 0.3261



36.1007, 0.3099, 0.1853



14.5048, 0.3522, 0.3255



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.



31.9344, 0.4903, 0.3201



26.4478, 0.5464, 0.3205



50.3354, 0.4533, 0.3955



18.0063, 0.3284, 0.3275



11.1365, 0.6334, 0.3263



1.0907, 0.6184, 0.3180

Inverse Universe

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



31.9344, 0.4903, 0.3201



26.4478, 0.5464, 0.3205



46.3121, 0.2201, 0.2446



18.0063, 0.3284, 0.3275



11.1365, 0.6334, 0.3263



1.0907, 0.6184, 0.3180

Previews

White Background



This preview shows how the Yxy color 31.9326, 0.4903, 0.3201 looks on a white background.

Color Contrast Check

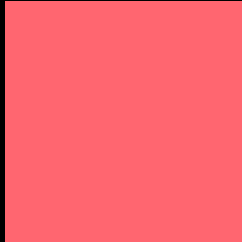
Large Text (above 18pt) WCAG AA × Fail

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 31.9326, 0.4903, 0.3201 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 31.9326, 0.4903, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 31.9326, 0.4903, 0.3201.



This preview shows how white text looks on a background with the Yxy color 31.9326, 0.4903, 0.3201.

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

31.9326, 0.4903, 0.3201

Protanopia

32.0053, 0.3371, 0.3565

Deuteranopia

32.0777, 0.3962, 0.3881



Tritanopia

32.0646, 0.4935, 0.3239

Trichromacy



Original Color

31.9326, 0.4903, 0.3201

Protanomaly

30.1846, 0.3912, 0.3387

Deuteranomaly

31.0169, 0.4318, 0.3581

Tritanomaly

32.0863, 0.4922, 0.3229

Monochromacy



Original Color

31.9326, 0.4903, 0.3201

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.9715, 0.3734, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9326, 0.4903, 0.3201 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, 102, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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, 102, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 112) }
```

Border

The CSS property to change the border of an element to Yxy 31.9326, 0.4903, 0.3201 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, 102, 112) }
```

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

```
.border{ border-color:rgb(255, 102, 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, 102, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9326, 0.4903, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 112) }
```

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

```
.background{ background-color: rgb(255,  
102, 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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