

Converting Colors

$Y_{xy}(31.8398, 0.5011, 0.3290)$

Have a look what the booklet for
Yxy(31.8398, 0.5011, 0.3290)
contains.

Yxy(31.7420, 0.5015, 0.3286)	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(31.7420, 0.5015, 0.3286)

Conversions

Conversions Part 1

Format	Color
Hex	FF6667
RGB	255, 102, 103
RGB Percent	100%, 40%, 40%
CMY	0.0000, 0.6000, 0.5960
CMYK	0.00, 0.60, 0.60, 0.00
HSL	360°, 100%, 70%
HSV	360°, 60%, 100%
XYZ	48.4437, 31.7420, 16.4119
YIQ	147.8610, 90.8670, 32.7470

Conversions

Conversions Part 2

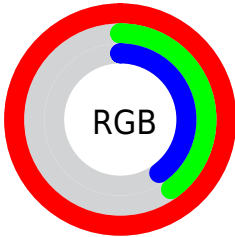
Format	Color
R _Y B	255, 102, 103
Decimal	16737895
CIE Lab	63.13, 58.32, 29.99
CIE LCh	63, 65.581, 27.214
Yxy	31.7420, 0.5015, 0.3286
Android (android.graphics.Color)	4294927975 (0xFFFF6667)
YUV	147.8610, -22.1165, 93.9609
Hunter-Lab	56.3400, 54.8874, 22.1668

Details

The Yxy color **31.7420, 0.5015, 0.3286** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **81.4984, 0.2394, 0.3300**, and the grayscale version is **29.6183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0468, 0.4116, 0.3335**, and **13.2197, 0.5605, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **27.0431, 0.5498, 0.3288**, and if you desaturate by 10%, it is **38.1349, 0.4550, 0.3286**.

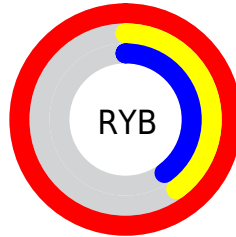
Distribution



Red (100%)

Green (40%)

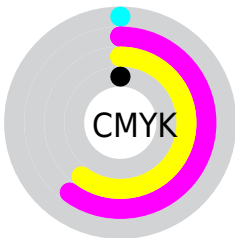
Blue (40%)



Red (100%)

Yellow (40%)

Blue (40%)

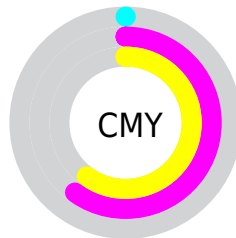


Cyan (0%)

Magenta (60%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (60%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7420, 0.5015, 0.3286 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 31.7420, 0.5015, 0.3286 by changing the saturation by 10% instead.


 31.7420, 0.5015,
0.3286


 31.7420, 0.5015,
0.3286


309.9423, 0.4013,
0.3352

 21.1645, 0.5274,
0.3245


 62.4064, 0.4642,
0.3327

 13.2443, 0.5605,
0.3178


 83.2621, 0.4504,
0.3337

 7.5970, 0.6039,
0.3062


 108.3127, 0.4389,
0.3344

 3.8382, 0.6625,
0.2860

 137.9425, 0.4291,
0.3348

 1.5835, 0.7491,
0.2509

172.5360, 0.4206,
0.3350

 0.3464, 0.8596,
0.1404

212.4775, 0.4133,

 0.0000, 1.0000,

0.3351


0.0000


258.1515, 0.4069,
0.3352


 0.0000, 0.0000,
0.0000


 31.7420, 0.5015,
0.3286


 31.7420, 0.5015,
0.3286

 27.0431, 0.5498,
0.3288


 38.1349, 0.4550,
0.3286


 23.8785, 0.5933,
0.3291


 46.3635, 0.4141,
0.3286

 22.0560, 0.6243,
0.3295

 56.5534, 0.3801,
0.3287

 21.2638, 0.6396,
0.3297

 68.8195, 0.3524,
0.3288

 83.2677, 0.3303,
0.3289

99.9969, 0.3127,
0.3290

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.



31.7420, 0.4263, 0.2648



31.7420, 0.5015, 0.3286



31.7420, 0.5098, 0.3985

Triad

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



31.7420, 0.5015, 0.3286



31.7420, 0.2799, 0.4998



31.7420, 0.1694, 0.1833

Complementary

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



31.7420, 0.5015, 0.3286



81.4984, 0.2394, 0.3300

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.



31.7420, 0.1455, 0.2129



31.7420, 0.5015, 0.3286



31.7420, 0.1993, 0.3975

Square

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



31.7420, 0.5015, 0.3286



31.7420, 0.3745, 0.5194



31.7420, 0.1539, 0.2843



31.7420, 0.2270, 0.1855

Rectangle

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



31.7420, 0.5015, 0.3286



31.7420, 0.4808, 0.4464



31.7420, 0.1539, 0.2843



31.7420, 0.1579, 0.1892

Sweetspot

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



31.7416, 0.5015, 0.3286



71.5337, 0.3476, 0.3288



37.5014, 0.3169, 0.1883



14.4728, 0.3547, 0.3288



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.



31.7416, 0.5015, 0.3286



26.2937, 0.5591, 0.3288



53.2494, 0.4477, 0.4030



17.9891, 0.3294, 0.3289



11.1116, 0.6394, 0.3296



1.0826, 0.6377, 0.3287

Inverse Universe

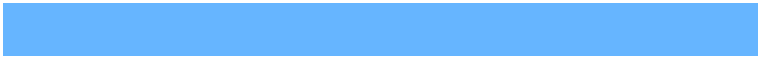
The Inverse Universe completely reimagines the original color for something new.



31.7416, 0.5015, 0.3286



26.2937, 0.5591, 0.3288



43.1117, 0.2177, 0.2343



17.9891, 0.3294, 0.3289



11.1116, 0.6394, 0.3296



1.0826, 0.6377, 0.3287

Previews

White Background



This preview shows how the Yxy color 31.7420, 0.5015, 0.3286 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 31.7420, 0.5015, 0.3286 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 31.7420, 0.5015, 0.3286

Background



This preview shows how black text looks on a background with the Yxy color 31.7420, 0.5015, 0.3286.



This preview shows how white text looks on a background with the Yxy color 31.7420, 0.5015, 0.3286.

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

31.7420, 0.5015, 0.3286

Protanopia

31.9445, 0.3491, 0.3718

Deuteranopia

31.7166, 0.4070, 0.3985



Tritanopia

31.6501, 0.4960, 0.3230

Trichromacy



Original Color

31.7420, 0.5015, 0.3286

Protanomaly

30.0703, 0.4041, 0.3522

Deuteranomaly

30.5678, 0.4428, 0.3676

Tritanomaly

31.6080, 0.4985, 0.3249

Monochromacy



Original Color

31.7420, 0.5015, 0.3286

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.4633, 0.3774, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7420, 0.5015, 0.3286 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 103) }
```

Border

The CSS property to change the border of an element to Yxy 31.7420, 0.5015, 0.3286 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, 103) }
```

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

```
.border{ border-color:rgb(255, 102, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7420, 0.5015, 0.3286 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, 103) }
```

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

```
.background{ background-color: rgb(255,  
102, 103) }
```

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