

Converting Colors

Yxy(34.0035, 0.4950, 0.3399)

Have a look what the booklet for
Yxy(34.0035, 0.4950, 0.3399)
contains.

Yxy(34.0296, 0.4949, 0.3400)	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(34.0296, 0.4949, 0.3400)

Conversions

Conversions Part 1

Format	Color
Hex	FF7166
RGB	255, 113, 102
RGB Percent	100%, 44%, 40%
CMY	0.0001, 0.5567, 0.6001
CMYK	0.00, 0.56, 0.60, 0.00
HSL	4°, 100%, 70%
HSV	4°, 60%, 100%
XYZ	49.5331, 34.0296, 16.5244
YIQ	154.2040, 88.1630, 26.6830

Conversions

Conversions Part 2

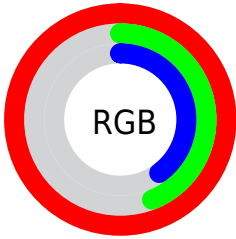
Format	Color
R _Y B	255, 114, 102
Decimal	16740710
CIE Lab	64.99, 53.29, 32.95
CIE LCh	65, 62.654, 31.730
Yxy	34.0296, 0.4949, 0.3400
Android (android.graphics.Color)	4294930790 (0xFFFF7166)
YUV	154.2040, -25.7366, 88.3981
Hunter-Lab	58.3349, 49.4811, 24.0395

Details

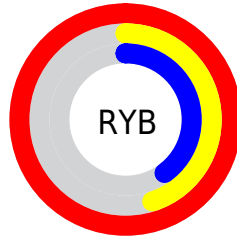
The Yxy color **34.0296, 0.4949, 0.3400** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **74.6888, 0.2360, 0.3157**, and the grayscale version is **32.5000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9358, 0.4077, 0.3461**, and **14.5084, 0.5491, 0.3327** is the 20% darker color. If you saturate the color by 10%, you get **28.9910, 0.5415, 0.3401**, and if you desaturate by 10%, it is **40.6027, 0.4506, 0.3388**.

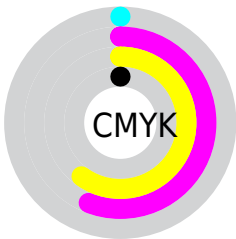
Distribution



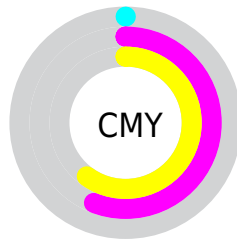
- Red (100%)
- Green (44%)
- Blue (40%)



- Red (100%)
- Yellow (45%)
- Blue (40%)



- Cyan (0%)
- Magenta (56%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (56%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0296, 0.4949, 0.3400 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 34.0296, 0.4949, 0.3400 by changing the saturation by 10% instead.


 34.0296, 0.4949,
0.3400


 34.0296, 0.4949,
0.3400


320.2640, 0.3993,
0.3407

 22.9163, 0.5192,
0.3374


 65.9797, 0.4596,
0.3420

 14.5317, 0.5501,
0.3327

 87.5853, 0.4465,
0.3422

 8.4914, 0.5902,
0.3237


 113.4572, 0.4354,
0.3422

 4.4110, 0.6436,
0.3071

 143.9797, 0.4260,
0.3420

 1.9060, 0.7224,
0.2776

179.5372, 0.4179,
0.3417

 0.5520, 0.8036,
0.1964

220.5142, 0.4109,

 0.0000, 1.0000,

0.3414

0.0000

267.2950, 0.4047,
0.3411

■ 0.0000, 0.0000,
0.0000

■ 34.0296, 0.4949,
0.3400

■ 34.0296, 0.4949,
0.3400

■ 28.9910, 0.5415,
0.3401

■ 40.6027, 0.4506,
0.3388

■ 25.3573, 0.5847,
0.3388

■ 48.8150, 0.4116,
0.3371

■ 22.9870, 0.6177,
0.3361

■ 58.7687, 0.3788,
0.3350

■ 21.6996, 0.6362,
0.3331

■ 70.5560, 0.3519,
0.3329

■ 21.6996, 0.6362,
0.3331

■ 84.2625, 0.3302,
0.3309

99.9685, 0.3127,
0.3290

99.9931, 0.3127,
0.3290

Harmonies

Analogous

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



34.0296, 0.4326, 0.2774



34.0296, 0.4949, 0.3400



34.0296, 0.4945, 0.4073

Triad

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



34.0296, 0.4949, 0.3400



34.0296, 0.2702, 0.4764



34.0296, 0.1831, 0.1896

Complementary

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



34.0296, 0.4949, 0.3400



74.6888, 0.2360, 0.3157

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.



34.0296, 0.1554, 0.2134



34.0296, 0.4949, 0.3400



34.0296, 0.1975, 0.3761

Square

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



34.0296, 0.4949, 0.3400



34.0296, 0.3595, 0.5093



34.0296, 0.1591, 0.2752



34.0296, 0.2434, 0.1954

Rectangle

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



34.0296, 0.4949, 0.3400



34.0296, 0.4636, 0.4519



34.0296, 0.1591, 0.2752



34.0296, 0.1704, 0.1939

Sweetspot

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



34.0315, 0.4949, 0.3400



73.1639, 0.3472, 0.3325



37.3315, 0.3288, 0.1966



14.8602, 0.3542, 0.3331



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.



34.0315, 0.4949, 0.3400



28.1647, 0.5506, 0.3400



58.4671, 0.4385, 0.4152



18.1977, 0.3293, 0.3308



11.4180, 0.6349, 0.3340



1.1816, 0.6236, 0.3430

Inverse Universe

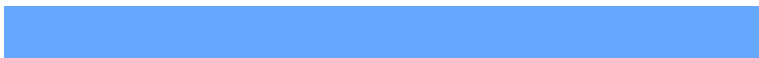
The Inverse Universe completely reimagines the original color for something new.



74.6888, 0.2360, 0.3157



71.9205, 0.2276, 0.3127



38.1492, 0.2139, 0.2171



20.2434, 0.2980, 0.3272



35.3873, 0.2184, 0.3062



3.5100, 0.2192, 0.3090

Previews

White Background



This preview shows how the Yxy color 34.0296, 0.4949, 0.3400 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 34.0296, 0.4949, 0.3400 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 34.0296, 0.4949, 0.3400

Background



This preview shows how black text looks on a background with the Yxy color 34.0296, 0.4949, 0.3400.



This preview shows how white text looks on a background with the Yxy color 34.0296, 0.4949, 0.3400.

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

34.0296, 0.4949, 0.3400

Protanopia

34.2692, 0.3587, 0.3836

Deuteranopia

34.1659, 0.4121, 0.4038



Tritanopia

33.9608, 0.4760, 0.3217

Trichromacy



Original Color

34.0296, 0.4949, 0.3400

Protanomaly

32.8403, 0.4072, 0.3661

Deuteranomaly

33.2202, 0.4437, 0.3762

Tritanomaly

34.0406, 0.4827, 0.3285

Monochromacy



Original Color

34.0296, 0.4949, 0.3400

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.2909, 0.3753, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0296, 0.4949, 0.3400 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, 113, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 102)  
}
```

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, 113, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 102) }
```

Border

The CSS property to change the border of an element to Yxy 34.0296, 0.4949, 0.3400 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, 113, 102) }
```

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

```
.border{ border-color:rgb(255, 113, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 113, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0296, 0.4949, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 102) }
```

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

```
.background{ background-color: rgb(255,  
113, 102) }
```

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