

Converting Colors

$Y_{xy}(49.8590, 0.5609, 0.3567)$

Have a look what the booklet for
Yxy(49.8590, 0.5609, 0.3567)
contains.

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Color

Yxy(34.6718, 0.5219, 0.3704)

Conversions

Conversions Part 1

Format	Color
Hex	FF7647
RGB	255, 118, 71
RGB Percent	100%, 46%, 28%
CMY	0.0000, 0.5372, 0.7215
CMYK	0.00, 0.54, 0.72, 0.00
HSL	15°, 100%, 64%
HSV	15°, 72%, 100%
XYZ	48.8532, 34.6718, 10.0814
YIQ	153.6050, 96.7390, 14.4270

Conversions

Conversions Part 2

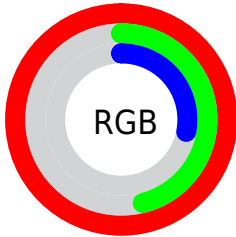
Format	Color
RYB	255, 134, 71
Decimal	16741959
CIELab	65.49, 49.26, 50.02
CIELCh	65, 70.205, 45.443
Yxy	34.6718, 0.5219, 0.3704
Android (android.graphics.Color)	4294932039 (0xFFFF7647)
YUV	153.6050, -40.7243, 88.9234
Hunter-Lab	58.8828, 45.0510, 31.0668

Details

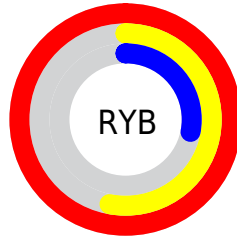
The Yxy color **34.6718, 0.5219, 0.3704** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **53.6659, 0.2165, 0.2689**, and the grayscale version is **32.2858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5276, 0.4345, 0.3827**, and **14.9312, 0.5779, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **30.3810, 0.5596, 0.3681**, and if you desaturate by 10%, it is **40.0035, 0.4823, 0.3688**.

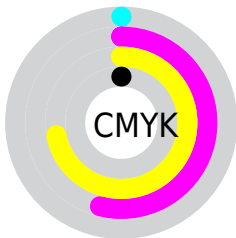
Distribution



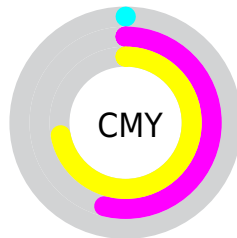
- Red (100%)
- Green (46%)
- Blue (28%)



- Red (100%)
- Yellow (53%)
- Blue (28%)



- Cyan (0%)
- Magenta (54%)
- Yellow (72%)
- Black (0%)




- Cyan (0%)
- Magenta (54%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6718, 0.5219, 0.3704 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 34.6718, 0.5219, 0.3704 by changing the saturation by 10% instead.

 34.6718, 0.5219,
0.3704


 34.6718, 0.5219,
0.3704


323.1173, 0.4152,
0.3600

 23.4102, 0.5470,
0.3688


 66.9770, 0.4838,
0.3696

 14.8967, 0.5773,
0.3642


 88.7894, 0.4692,
0.3684


 8.7469, 0.6142,
0.3542


 114.8875, 0.4568,
0.3670

 4.5765, 0.6635,
0.3365

 145.6557, 0.4461,
0.3655

 2.0010, 0.7064,
0.2936

 181.4783, 0.4368,
0.3641

 0.6080, 0.7813,
0.2187

222.7399, 0.4287,

 0.0000, 1.0000,

0.3626

0.0000

269.8248, 0.4216,
0.3613

■ 0.0000, 0.0000,
0.0000

■ 34.6718, 0.5219,
0.3704

■ 34.6718, 0.5219,
0.3704

■ 30.3810, 0.5596,
0.3681

■ 40.0035, 0.4823,
0.3688

■ 27.0526, 0.5911,
0.3615


■ 46.4355, 0.4443,
0.3643

■ 25.0547, 0.6097,
0.3541

■ 54.0290, 0.4100,
0.3581

■ 62.8390, 0.3803,
0.3511

■ 72.9168, 0.3550,
0.3439

 84.3108, 0.3338,
0.3369

 97.0667, 0.3161,
0.3304

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



34.6718, 0.4854, 0.3010



34.6718, 0.5219, 0.3704



34.6718, 0.4891, 0.4443

Triad

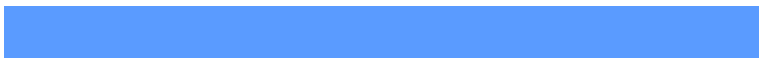
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.6718, 0.5219, 0.3704



34.6718, 0.2240, 0.4491



34.6718, 0.1965, 0.1769

Complementary

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



34.6718, 0.5219, 0.3704



53.6659, 0.2165, 0.2689

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.



34.6718, 0.1516, 0.1862



34.6718, 0.5219, 0.3704



34.6718, 0.1622, 0.3243

Square

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



34.6718, 0.5219, 0.3704



34.6718, 0.3159, 0.5270



34.6718, 0.1399, 0.2315



34.6718, 0.2779, 0.1961

Rectangle

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



34.6718, 0.5219, 0.3704



34.6718, 0.4409, 0.4912



34.6718, 0.1399, 0.2315



34.6718, 0.1776, 0.1766

Sweetspot

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



34.6737, 0.5219, 0.3704



73.0841, 0.3546, 0.3438



30.3697, 0.3700, 0.2043



15.0295, 0.3611, 0.3457



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.



34.6737, 0.5219, 0.3704



28.6537, 0.5759, 0.3654



67.3117, 0.4403, 0.4548



18.7411, 0.3288, 0.3351



13.2936, 0.6069, 0.3563



1.4607, 0.5851, 0.3736

Inverse Universe

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



53.6659, 0.2165, 0.2689



48.0822, 0.2062, 0.2546



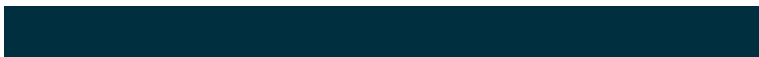
21.2845, 0.1855, 0.1462



19.6495, 0.2980, 0.3228



23.2352, 0.2011, 0.2438



2.4376, 0.2041, 0.2547

Previews

White Background



This preview shows how the Yxy color 34.6718, 0.5219, 0.3704 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 34.6718, 0.5219, 0.3704 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 34.6718, 0.5219, 0.3704

Background



This preview shows how black text looks on a background with the Yxy color 34.6718, 0.5219, 0.3704.



This preview shows how white text looks on a background with the Yxy color 34.6718, 0.5219, 0.3704.

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

34.6718, 0.5219, 0.3704

Protanopia

35.0118, 0.3982, 0.4347

Deuteranopia

34.8211, 0.4438, 0.4364



Tritanopia

34.6751, 0.4717, 0.3226

Trichromacy



Original Color

34.6718, 0.5219, 0.3704

Protanomaly

33.7944, 0.4450, 0.4097

Deuteranomaly

34.2096, 0.4742, 0.4099

Tritanomaly

34.5007, 0.4924, 0.3410

Monochromacy



Original Color

34.6718, 0.5219, 0.3704

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.5814, 0.3868, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6718, 0.5219, 0.3704 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, 118, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 71)  
}
```

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, 118, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 71) }
```

Border

The CSS property to change the border of an element to Yxy 34.6718, 0.5219, 0.3704 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, 118, 71) }
```

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

```
.border{ border-color:rgb(255, 118, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6718, 0.5219, 0.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 71) }
```

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

```
.background{ background-color: rgb(255,  
118, 71) }
```

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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