

Converting Colors

$Y_{xy}(53.3384, 0.4255, 0.3750)$

Have a look what the booklet for
Yxy(53.3384, 0.4255, 0.3750)
contains.

Yxy(53.1438, 0.4262, 0.3749)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.1438, 0.4262, 0.3749)

Conversions

Conversions Part 1

Format	Color
Hex	FFAE82
RGB	255, 174, 130
RGB Percent	100%, 68%, 51%
CMY	0.0000, 0.3177, 0.4902
CMYK	0.00, 0.32, 0.49, 0.00
HSL	21°, 100%, 75%
HSV	21°, 49%, 100%
XYZ	60.4158, 53.1438, 28.1950
YIQ	193.2030, 62.4000, 3.4880

Conversions

Conversions Part 2

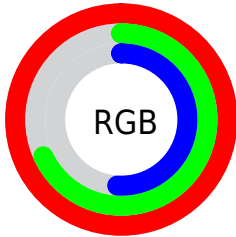
Format	Color
R _Y B	255, 198, 130
Decimal	16756354
CIE Lab	77.96, 24.91, 34.52
CIE LCh	78, 42.569, 54.190
Yxy	53.1438, 0.4262, 0.3749
Android (android.graphics.Color)	4294946434 (0xFFFFAE82)
YUV	193.2030, -31.1591, 54.1960
Hunter-Lab	72.8998, 20.3575, 28.0986

Details

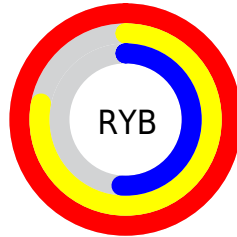
The Yxy color **53.1438, 0.4262, 0.3749** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **58.5651, 0.2381, 0.2758**, and the grayscale version is **53.6087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2725, 0.3620, 0.3767**, and **25.8560, 0.4555, 0.3825** is the 20% darker color. If you saturate the color by 10%, you get **46.5399, 0.4593, 0.3824**, and if you desaturate by 10%, it is **60.6944, 0.3962, 0.3658**.

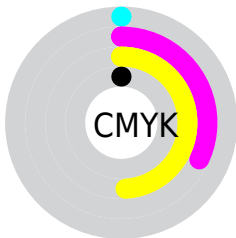
Distribution



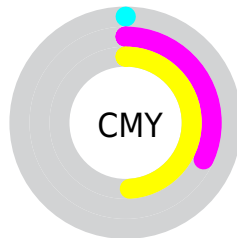
- Red (100%)
- Green (68%)
- Blue (51%)



- Red (100%)
- Yellow (78%)
- Blue (51%)



- Cyan (0%)
- Magenta (32%)
- Yellow (49%)
- Black (0%)



- Cyan (0%)
- Magenta (32%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1438, 0.4262, 0.3749 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 53.1438, 0.4262, 0.3749 by changing the saturation by 10% instead.


 53.1438, 0.4262,
0.3749


 53.1438, 0.4262,
0.3749

398.8366, 0.3707,
0.3554


 37.9176, 0.4394,
0.3786

 94.8159, 0.4065,
0.3687

 25.9187, 0.4558,
0.3826


 122.0306, 0.3989,
0.3661

 16.7628, 0.4766,
0.3868


 154.0103, 0.3925,
0.3638

 10.0656, 0.5037,
0.3905

191.1393, 0.3869,
0.3617

 5.4424, 0.5394,
0.3918

233.8020, 0.3821,
0.3599

 2.5091, 0.6036,
0.3964

282.3829, 0.3778,

 0.8812, 0.6451,

0.3583

0.3549

337.2663, 0.3740,
0.3568

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.1438, 0.4262,
0.3749

53.1438, 0.4262,
0.3749

46.5399, 0.4593,
0.3824

60.6944, 0.3962,
0.3658

40.8547, 0.4942,
0.3870

69.2431, 0.3698,
0.3561

36.0389, 0.5286,
0.3876

78.8218, 0.3471,
0.3464

32.0433, 0.5594,
0.3830

89.4647, 0.3277,
0.3370

■ 28.8077, 0.5840,
0.3737

100.0000, 0.3127,
0.3290

■ 28.5260, 0.5863,
0.3727

Harmonies

Analogous

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



53.1438, 0.4136, 0.3306



53.1438, 0.4262, 0.3749



53.1438, 0.4055, 0.4133

Triad

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



53.1438, 0.4262, 0.3749



53.1438, 0.2540, 0.3722



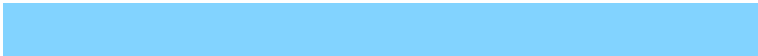
53.1438, 0.2597, 0.2408

Complementary

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



53.1438, 0.4262, 0.3749



58.5651, 0.2381, 0.2758

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.



53.1438, 0.2242, 0.2436



53.1438, 0.4262, 0.3749



53.1438, 0.2207, 0.3142

Square

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



53.1438, 0.4262, 0.3749



53.1438, 0.3047, 0.4189



53.1438, 0.2107, 0.2681



53.1438, 0.3125, 0.2573

Rectangle

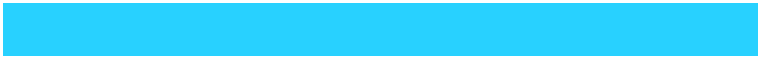
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.1438, 0.4262, 0.3749



53.1438, 0.3773, 0.4293



53.1438, 0.2107, 0.2681



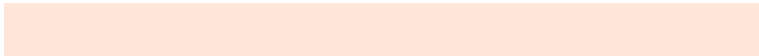
53.1438, 0.2456, 0.2394

Sweetspot

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



53.1394, 0.4262, 0.3749



82.9666, 0.3389, 0.3425



41.9434, 0.3597, 0.2473



17.2880, 0.3431, 0.3445



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.



53.1394, 0.4262, 0.3749



46.5499, 0.4592, 0.3824



83.0076, 0.3934, 0.4334



19.0325, 0.3286, 0.3374



15.1581, 0.5833, 0.3751



1.6721, 0.5616, 0.3923

Inverse Universe

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



58.5651, 0.2381, 0.2758



52.4665, 0.2250, 0.2626



33.3846, 0.2228, 0.1959



19.3426, 0.2980, 0.3204



18.1770, 0.1915, 0.2092



1.9753, 0.1957, 0.2244

Previews

White Background



This preview shows how the Yxy color 53.1438, 0.4262, 0.3749 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 53.1438, 0.4262, 0.3749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

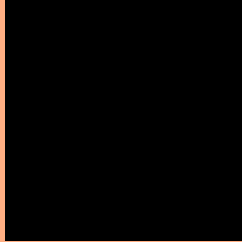
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.1438, 0.4262, 0.3749

Background



This preview shows how black text looks on a background with the Yxy color 53.1438, 0.4262, 0.3749.



This preview shows how white text looks on a background with the Yxy color 53.1438, 0.4262, 0.3749.

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

53.1438, 0.4262, 0.3749

Protanopia

53.3848, 0.3685, 0.3961

Deuteranopia

53.4122, 0.4015, 0.3933



Tritanopia

52.9721, 0.3811, 0.3166

Trichromacy



Original Color

53.1438, 0.4262, 0.3749

Protanomaly

52.8746, 0.3890, 0.3882

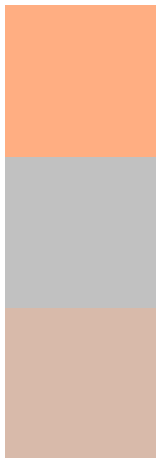
Deuteranomaly

53.1580, 0.4099, 0.3862

Tritanomaly

52.9945, 0.3984, 0.3387

Monochromacy



Original Color

53.1438, 0.4262, 0.3749

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

52.6190, 0.3516, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1438, 0.4262, 0.3749 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, 174, 130)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 130)  
}
```

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, 174, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 130) }
```

Border

The CSS property to change the border of an element to Yxy 53.1438, 0.4262, 0.3749 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, 174, 130) }
```

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

```
.border{ border-color:rgb(255, 174, 130) }
```

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

Here you see how a box with a 4 pixel rgb(255, 174, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 130);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1438, 0.4262, 0.3749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 130) }
```

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

```
.background{ background-color: rgb(255,  
174, 130) }
```

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