

Converting Colors

$Y_{xy}(55.2190, 0.4341, 0.3500)$

Have a look what the booklet for
Yxy(55.2190, 0.4341, 0.3500)
contains.

Yxy(50.9728, 0.4153, 0.3513)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.9728, 0.4153, 0.3513)

Conversions

Conversions Part 1

Format	Color
Hex	FFA792
RGB	255, 167, 146
RGB Percent	100%, 65%, 57%
CMY	0.0000, 0.3452, 0.4274
CMYK	0.00, 0.35, 0.43, 0.00
HSL	12°, 100%, 79%
HSV	12°, 43%, 100%
XYZ	60.2590, 50.9728, 33.8658
YIQ	190.9180, 59.1890, 12.1250

Conversions

Conversions Part 2

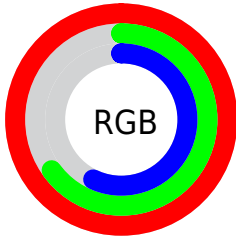
Format	Color
R _Y B	255, 172, 146
Decimal	16754578
CIE Lab	76.66, 30.13, 24.26
CIE LCh	77, 38.678, 38.838
Yxy	50.9728, 0.4153, 0.3513
Android (android.graphics.Color)	4294944658 (0xFFFFA792)
YUV	190.9180, -22.1446, 56.1999
Hunter-Lab	71.3952, 25.7160, 21.8529

Details

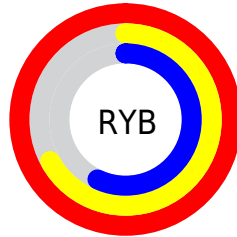
The Yxy color **50.9728, 0.4153, 0.3513** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **72.2006, 0.2504, 0.3047**, and the grayscale version is **52.1506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2055, 0.3518, 0.3525**, and **24.5966, 0.4445, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **43.3070, 0.4519, 0.3558**, and if you desaturate by 10%, it is **60.0075, 0.3837, 0.3460**.

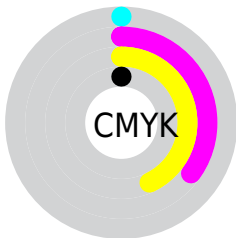
Distribution



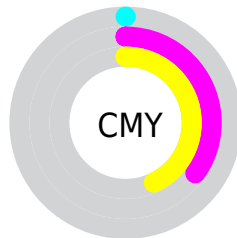
- Red (100%)
- Green (65%)
- Blue (57%)



- Red (100%)
- Yellow (67%)
- Blue (57%)



- Cyan (0%)
- Magenta (35%)
- Yellow (43%)
- Black (0%)



- Cyan (0%)
- Magenta (35%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9728, 0.4153, 0.3513 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 50.9728, 0.4153, 0.3513 by changing the saturation by 10% instead.


 50.9728, 0.4153,
0.3513


 50.9728, 0.4153,
0.3513


390.4581, 0.3643,
0.3425

 36.1870, 0.4277,
0.3528


 91.6146, 0.3969,
0.3486

 24.5786, 0.4435,
0.3542

 118.2393, 0.3900,
0.3475

 15.7634, 0.4640,
0.3555


149.5791, 0.3841,
0.3464

 9.3569, 0.4916,
0.3559

186.0184, 0.3790,
0.3455

 4.9747, 0.5302,
0.3538

227.9415, 0.3746,
0.3446

 2.2324, 0.5986,
0.3520

275.7329, 0.3708,

 0.7376, 0.6828,

0.3438

0.3172

329.7770, 0.3674,
0.3431

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.9728, 0.4153,
0.3513

50.9728, 0.4153,
0.3513

43.3070, 0.4519,
0.3558

60.0075, 0.3837,
0.3460

36.9559, 0.4927,
0.3588

70.4895, 0.3572,
0.3406

31.8401, 0.5350,
0.3593

82.4735, 0.3352,
0.3353

27.8769, 0.5744,
0.3565

96.0161, 0.3171,
0.3303

■ 24.9733, 0.6057, 100.0000, 0.3127,
0.3503 0.3290

■ 23.4607, 0.6218,
0.3445

Harmonies

Analogous

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



50.9728, 0.3880, 0.3104



50.9728, 0.4153, 0.3513



50.9728, 0.4118, 0.3908

Triad

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



50.9728, 0.4153, 0.3513



50.9728, 0.2814, 0.3932



50.9728, 0.2444, 0.2460

Complementary

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



50.9728, 0.4153, 0.3513



72.2006, 0.2504, 0.3047

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.



50.9728, 0.2213, 0.2591



50.9728, 0.4153, 0.3513



50.9728, 0.2409, 0.3427

Square

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



50.9728, 0.4153, 0.3513



50.9728, 0.3324, 0.4221



50.9728, 0.2200, 0.2928



50.9728, 0.2863, 0.2524

Rectangle

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



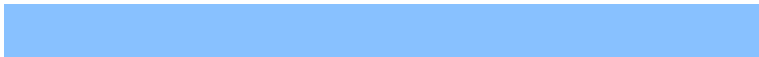
50.9728, 0.4153, 0.3513



50.9728, 0.3934, 0.4115



50.9728, 0.2200, 0.2928



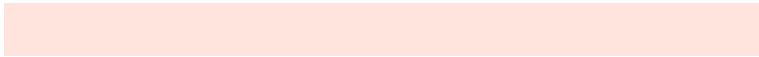
50.9728, 0.2344, 0.2481

Sweetspot

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



50.9680, 0.4153, 0.3513



82.1373, 0.3357, 0.3354



47.8243, 0.3348, 0.2407



16.9883, 0.3402, 0.3366



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.



50.9680, 0.4153, 0.3513



44.5409, 0.4452, 0.3551



74.7804, 0.3905, 0.4047



18.5524, 0.3290, 0.3336



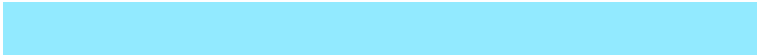
12.4187, 0.6194, 0.3464



1.3510, 0.5991, 0.3625

Inverse Universe

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



72.2006, 0.2504, 0.3047



68.1614, 0.2405, 0.2992



46.1911, 0.2393, 0.2386



19.8526, 0.2980, 0.3243



27.0370, 0.2072, 0.2660



2.7778, 0.2094, 0.2740

Previews

White Background



This preview shows how the Yxy color 50.9728, 0.4153, 0.3513 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 50.9728, 0.4153, 0.3513 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 50.9728, 0.4153, 0.3513

Background



This preview shows how black text looks on a background with the Yxy color 50.9728, 0.4153, 0.3513.



This preview shows how white text looks on a background with the Yxy color 50.9728, 0.4153, 0.3513.

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

50.9728, 0.4153, 0.3513

Protanopia

51.0749, 0.3483, 0.3704

Deuteranopia

51.1270, 0.3822, 0.3750



Tritanopia

50.9455, 0.3875, 0.3166

Trichromacy



Original Color

50.9728, 0.4153, 0.3513



Protanomaly

50.5304, 0.3721, 0.3636



Deuteranomaly

51.1201, 0.3944, 0.3665



Tritanomaly

50.8869, 0.3978, 0.3293

Monochromacy



Original Color

50.9728, 0.4153, 0.3513



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.8472, 0.3464, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9728, 0.4153, 0.3513 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, 167, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 146)  
}
```

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, 167, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 146) }
```

Border

The CSS property to change the border of an element to Yxy 50.9728, 0.4153, 0.3513 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, 167, 146) }
```

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

```
.border{ border-color:rgb(255, 167, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 146);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9728, 0.4153, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 146) }
```

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

```
.background{ background-color: rgb(255,  
167, 146) }
```

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