

Converting Colors

$Y_{xy}(79.7372, 0.5098, 0.3486)$

Have a look what the booklet for
Yxy(79.7372, 0.5098, 0.3486)
contains.

Yxy(50.3100, 0.4252, 0.3606)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.3100, 0.4252, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	FFA688
RGB	255, 166, 136
RGB Percent	100%, 65%, 53%
CMY	0.0000, 0.3490, 0.4666
CMYK	0.00, 0.35, 0.47, 0.00
HSL	15°, 100%, 77%
HSV	15°, 47%, 100%
XYZ	59.3228, 50.3100, 29.8846
YIQ	189.1910, 62.6740, 9.5380

Conversions

Conversions Part 2

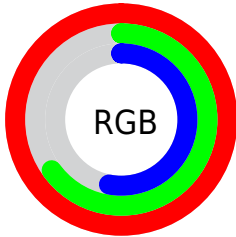
Format	Color
R_{YB}	255, 176, 136
Decimal	16754312
CIE _{Lab}	76.26, 29.63, 29.09
CIE _{LCh}	76, 41.525, 44.476
Yxy	50.3100, 0.4252, 0.3606
Android (android.graphics.Color)	4294944392 (0xFFFFA688)
YUV	189.1910, -26.2232, 57.7145
Hunter-Lab	70.9295, 25.1641, 24.6701

Details

The Yxy color **50.3100, 0.4252, 0.3606** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **66.3176, 0.2440, 0.2935**, and the grayscale version is **51.1315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2203, 0.3591, 0.3618**, and **24.0842, 0.4556, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **43.2422, 0.4614, 0.3661**, and if you desaturate by 10%, it is **58.5818, 0.3932, 0.3540**.

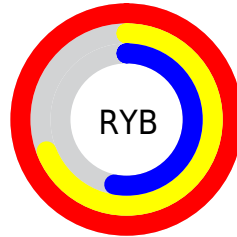
Distribution



Red (100%)

Green (65%)

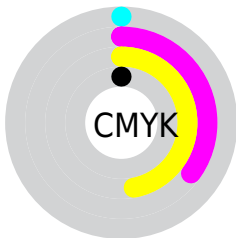
Blue (53%)



Red (100%)

Yellow (69%)

Blue (53%)

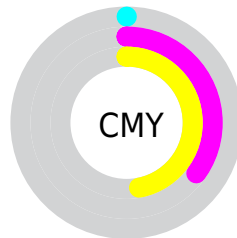


Cyan (0%)

Magenta (35%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (35%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3100, 0.4252, 0.3606 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 50.3100, 0.4252, 0.3606 by changing the saturation by 10% instead.


 50.3100, 0.4252,
0.3606


 50.3100, 0.4252,
0.3606


387.8770, 0.3693,
0.3477

 35.6598, 0.4388,
0.3628


 90.6340, 0.4051,
0.3566

 24.1715, 0.4558,
0.3651


 117.0766, 0.3975,
0.3549

 15.4609, 0.4779,
0.3672


 148.2188, 0.3911,
0.3534

 9.1435, 0.5072,
0.3683

184.4449, 0.3855,
0.3520

 4.8349, 0.5472,
0.3663

226.1394, 0.3807,
0.3508

 2.1507, 0.6292,
0.3708

273.6866, 0.3764,

 0.6929, 0.6848,

0.3497

0.3152

327.4710, 0.3727,
0.3487

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

50.3100, 0.4252,
0.3606

50.3100, 0.4252,
0.3606

43.2422, 0.4614,
0.3661

58.5818, 0.3932,
0.3540

37.3163, 0.5006,
0.3693

68.1066, 0.3659,
0.3469

32.4713, 0.5400,
0.3693

78.9362, 0.3429,
0.3399

28.6381, 0.5756,
0.3650

91.1178, 0.3237,
0.3332

■ 25.7382, 0.6029,
0.3566

100.0000, 0.3127,
0.3290

■ 24.9555, 0.6104,
0.3535

Harmonies

Analogous

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



50.3100, 0.4018, 0.3166



50.3100, 0.4252, 0.3606



50.3100, 0.4148, 0.4018

Triad

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



50.3100, 0.4252, 0.3606



50.3100, 0.2693, 0.3895



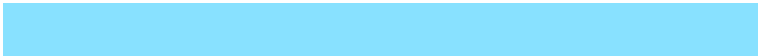
50.3100, 0.2464, 0.2399

Complementary

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



50.3100, 0.4252, 0.3606



66.3176, 0.2440, 0.2935

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.



50.3100, 0.2178, 0.2495



50.3100, 0.4252, 0.3606



50.3100, 0.2296, 0.3326

Square

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



50.3100, 0.4252, 0.3606



50.3100, 0.3229, 0.4267



50.3100, 0.2119, 0.2812



50.3100, 0.2942, 0.2505

Rectangle

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



50.3100, 0.4252, 0.3606



50.3100, 0.3916, 0.4223



50.3100, 0.2119, 0.2812



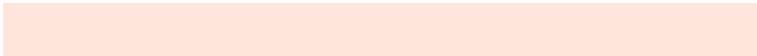
50.3100, 0.2345, 0.2408

Sweetspot

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



50.3115, 0.4252, 0.3606



82.0399, 0.3374, 0.3381



44.3249, 0.3449, 0.2401



17.0190, 0.3419, 0.3395



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.



50.3115, 0.4252, 0.3606



43.6714, 0.4589, 0.3658



77.0270, 0.3949, 0.4185



18.7307, 0.3288, 0.3351



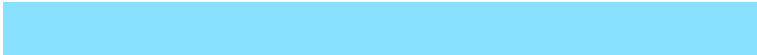
13.2383, 0.6076, 0.3557



1.4541, 0.5859, 0.3730

Inverse Universe

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



66.3176, 0.2440, 0.2935



61.3501, 0.2327, 0.2850



39.6440, 0.2303, 0.2184



19.6607, 0.2980, 0.3229



23.4353, 0.2014, 0.2450



2.4557, 0.2044, 0.2557

Previews

White Background



This preview shows how the Yxy color 50.3100, 0.4252, 0.3606 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 50.3100, 0.4252, 0.3606 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 50.3100, 0.4252, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 50.3100, 0.4252, 0.3606.



This preview shows how white text looks on a background with the Yxy color 50.3100, 0.4252, 0.3606.

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

50.3100, 0.4252, 0.3606

Protanopia

50.4593, 0.3576, 0.3818

Deuteranopia

50.1833, 0.3926, 0.3841



Tritanopia

50.1567, 0.3901, 0.3166

Trichromacy



Original Color

50.3100, 0.4252, 0.3606

Protanomaly

49.9677, 0.3821, 0.3742

Deuteranomaly

50.0433, 0.4043, 0.3754

Tritanomaly

49.9925, 0.4035, 0.3324

Monochromacy



Original Color

50.3100, 0.4252, 0.3606

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.0962, 0.3501, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3100, 0.4252, 0.3606 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, 166, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 136)  
}
```

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, 166, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 136) }
```

Border

The CSS property to change the border of an element to Yxy 50.3100, 0.4252, 0.3606 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, 166, 136) }
```

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

```
.border{ border-color:rgb(255, 166, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3100, 0.4252, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 136) }
```

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

```
.background{ background-color: rgb(255,  
166, 136) }
```

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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