

Converting Colors

$Y_{xy}(48.1337, 0.4425, 0.3710)$

Have a look what the booklet for
Yxy(48.1337, 0.4425, 0.3710)
contains.

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Color

Yxy(48.1302, 0.4421, 0.3705)

Conversions

Conversions Part 1

Format	Color
Hex	FFA179
RGB	255, 161, 121
RGB Percent	100%, 63%, 47%
CMY	0.0001, 0.3686, 0.5256
CMYK	0.00, 0.37, 0.53, 0.00
HSL	18°, 100%, 74%
HSV	18°, 53%, 100%
XYZ	57.4315, 48.1302, 24.3444
YIQ	184.5460, 68.8640, 7.4880

Conversions

Conversions Part 2

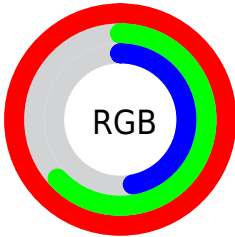
Format	Color
R _Y B	255, 178, 121
Decimal	16753017
CIE Lab	74.91, 30.87, 35.35
CIE LCh	75, 46.929, 48.871
Yxy	48.1302, 0.4421, 0.3705
Android (android.graphics.Color)	4294943097 (0xFFFFA179)
YUV	184.5460, -31.3282, 61.7882
Hunter-Lab	69.3759, 26.3598, 27.7580

Details

The Yxy color **48.1302, 0.4421, 0.3705** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **59.8573, 0.2351, 0.2803**, and the grayscale version is **48.3997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4277, 0.3724, 0.3723**, and **22.7951, 0.4773, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **41.7780, 0.4783, 0.3759**, and if you desaturate by 10%, it is **55.5462, 0.4091, 0.3632**.

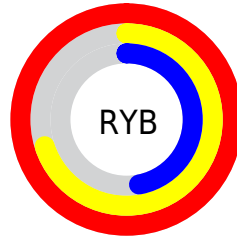
Distribution



Red (100%)

Green (63%)

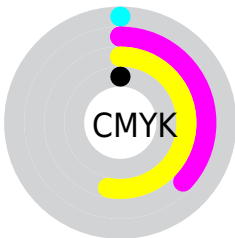
Blue (47%)



Red (100%)

Yellow (70%)

Blue (47%)

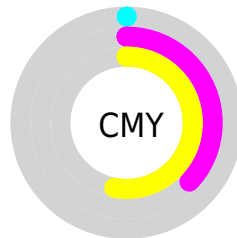


Cyan (0%)

Magenta (37%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1302, 0.4421, 0.3705 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 48.1302, 0.4421, 0.3705 by changing the saturation by 10% instead.


 48.1302, 0.4421,
0.3705

 48.1302, 0.4421,
0.3705

379.3080, 0.3778,
0.3537

 33.9300, 0.4576,
0.3733


 87.3982, 0.4191,
0.3654

 22.8398, 0.4769,
0.3760


 113.2349, 0.4103,
0.3632

 14.4753, 0.5017,
0.3781


 143.7191, 0.4028,
0.3612

 8.4520, 0.5338,
0.3784

179.2353, 0.3964,
0.3594

 4.3855, 0.5790,
0.3755

220.1679, 0.3908,
0.3578

 1.8915, 0.6398,
0.3602

266.9013, 0.3859,

 0.5432, 0.7125,

0.3563

0.2875

319.8198, 0.3816,
0.3550

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.1302, 0.4421,
0.3705

48.1302, 0.4421,
0.3705

41.7780, 0.4783,
0.3759

55.5462, 0.4091,
0.3632

36.4313, 0.5159,
0.3782

64.0662, 0.3802,
0.3551

32.0366, 0.5518,
0.3762

73.7368, 0.3554,
0.3467

28.5317, 0.5821,
0.3693

84.5999, 0.3344,
0.3386

■ 26.4517, 0.5998,
0.3620

■ 96.6952, 0.3168,
0.3309

99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



48.1302, 0.4212, 0.3212



48.1302, 0.4421, 0.3705



48.1302, 0.4239, 0.4164

Triad

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



48.1302, 0.4421, 0.3705



48.1302, 0.2548, 0.3900



48.1302, 0.2440, 0.2290

Complementary

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



48.1302, 0.4421, 0.3705



59.8573, 0.2351, 0.2803

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.



48.1302, 0.2088, 0.2356



48.1302, 0.4421, 0.3705



48.1302, 0.2138, 0.3226

Square

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



48.1302, 0.4421, 0.3705



48.1302, 0.3140, 0.4387



48.1302, 0.1983, 0.2669



48.1302, 0.3005, 0.2440

Rectangle

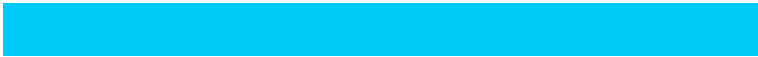
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.1302, 0.4421, 0.3705



48.1302, 0.3944, 0.4388



48.1302, 0.1983, 0.2669



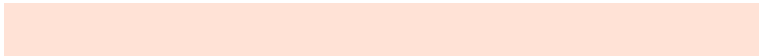
48.1302, 0.2296, 0.2287

Sweetspot

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



48.1326, 0.4421, 0.3705



80.7302, 0.3412, 0.3413



39.9374, 0.3550, 0.2340



16.7981, 0.3455, 0.3430



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.



48.1326, 0.4421, 0.3705



41.5240, 0.4800, 0.3761



77.0039, 0.4037, 0.4325



18.8716, 0.3287, 0.3362



14.0489, 0.5969, 0.3643



1.5490, 0.5748, 0.3818

Inverse Universe

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



59.8573, 0.2351, 0.2803



54.2451, 0.2229, 0.2686



33.0992, 0.2180, 0.1959



19.5112, 0.2980, 0.3217



20.8532, 0.1968, 0.2283



2.2215, 0.2003, 0.2412

Previews

White Background



This preview shows how the Yxy color 48.1302, 0.4421, 0.3705 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 48.1302, 0.4421, 0.3705 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 48.1302, 0.4421, 0.3705

Background



This preview shows how black text looks on a background with the Yxy color 48.1302, 0.4421, 0.3705.



This preview shows how white text looks on a background with the Yxy color 48.1302, 0.4421, 0.3705.

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

48.1302, 0.4421, 0.3705

Protanopia

48.4787, 0.3690, 0.3976

Deuteranopia

48.4403, 0.4059, 0.3979



Tritanopia

48.2011, 0.3978, 0.3177

Trichromacy



Original Color

48.1302, 0.4421, 0.3705

Protanomaly

47.6430, 0.3951, 0.3876

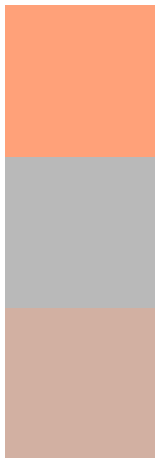
Deuteranomaly

48.1199, 0.4197, 0.3872

Tritanomaly

47.9481, 0.4146, 0.3367

Monochromacy



Original Color

48.1302, 0.4421, 0.3705

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

47.3609, 0.3556, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1302, 0.4421, 0.3705 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, 161, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 121)  
}
```

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, 161, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 121) }
```

Border

The CSS property to change the border of an element to Yxy 48.1302, 0.4421, 0.3705 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, 161, 121) }
```

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

```
.border{ border-color:rgb(255, 161, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1302, 0.4421, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 121) }
```

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

```
.background{ background-color: rgb(255,  
161, 121) }
```

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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