

Converting Colors

$Y_{xy}(47.4799, 0.4632, 0.3922)$

Have a look what the booklet for
Yxy(47.4799, 0.4632, 0.3922)
contains.

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Color

Yxy(47.6128, 0.4629, 0.3925)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | FFA161 |
| RGB | 255, 161, 97 |
| RGB Percent | 100%, 63%, 38% |
| CMY | 0.0000, 0.3687, 0.6196 |
| CMYK | 0.00, 0.37, 0.62, 0.00 |
| HSL | 24°, 100%, 69% |
| HSV | 24°, 62%, 100% |
| XYZ | 56.1528, 47.6128, 17.5409 |
| YIQ | 181.8100, 76.5680, 0.0240 |

Conversions

Conversions Part 2

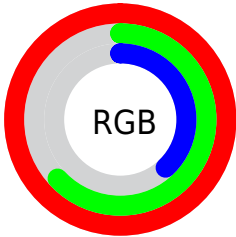
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 205, 97 |
| Decimal | 16752993 |
| CIE Lab | 74.58, 29.12, 47.35 |
| CIE LCh | 75, 55.584, 58.411 |
| Yxy | 47.6128, 0.4629, 0.3925 |
| Android (android.graphics.Color) | 4294943073 (0xFFFFA161) |
| YUV | 181.8100, -41.8113, 64.1876 |
| Hunter-Lab | 69.0020, 24.5070, 33.2294 |

Details

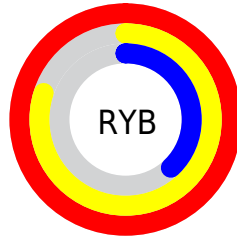
The Yxy color **47.6128, 0.4629, 0.3925** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.0318, 0.2189, 0.2474**, and the grayscale version is **46.8660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5417, 0.3904, 0.3976**, and **22.6118, 0.5005, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **42.2217, 0.4953, 0.3972**, and if you desaturate by 10%, it is **53.7914, 0.4313, 0.3845**.

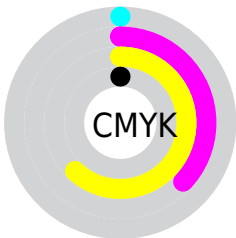
Distribution



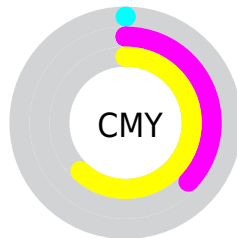
- Red (100%)
- Green (63%)
- Blue (38%)



- Red (100%)
- Yellow (80%)
- Blue (38%)



- Cyan (0%)
- Magenta (37%)
- Yellow (62%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6128, 0.4629, 0.3925 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 47.6128, 0.4629, 0.3925 by changing the saturation by 10% instead.


 47.6128, 0.4629,
0.3925


 47.6128, 0.4629,
0.3925

377.2553, 0.3894,
0.3670

 33.5204, 0.4798,
0.3965


 86.6276, 0.4371,
0.3849


 22.5254, 0.5004,
0.4002

 112.3188, 0.4271,
0.3816

 14.2434, 0.5256,
0.4027


 142.6450, 0.4185,
0.3785

 8.2902, 0.5565,
0.4019

 177.9906, 0.4111,
0.3757

 4.2812, 0.6014,
0.3986

218.7401, 0.4047,
0.3732

 1.8321, 0.6337,
0.3663

265.2777, 0.3990,

 0.5070, 0.7104,

0.3709

0.2896

317.9880, 0.3939,
0.3689

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.6128, 0.4629,
0.3925

47.6128, 0.4629,
0.3925

42.2217, 0.4953,
0.3972

53.7914, 0.4313,
0.3845

37.5933, 0.5264,
0.3973


60.8058, 0.4020,
0.3744

33.6804, 0.5535,
0.3920

68.6842, 0.3758,
0.3634

31.0131, 0.5716,
0.3844

77.4572, 0.3528,
0.3522

 87.1537, 0.3329,
0.3413

 97.8012, 0.3158,
0.3309

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



47.6128, 0.4547, 0.3358



47.6128, 0.4629, 0.3925



47.6128, 0.4269, 0.4439

Triad

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



47.6128, 0.4629, 0.3925



47.6128, 0.2257, 0.3764



47.6128, 0.2503, 0.2164

Complementary

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



47.6128, 0.4629, 0.3925



47.0318, 0.2189, 0.2474

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.



47.6128, 0.2019, 0.2149



47.6128, 0.4629, 0.3925



47.6128, 0.1884, 0.2961

Square

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



47.6128, 0.4629, 0.3925



47.6128, 0.2890, 0.4482



47.6128, 0.1809, 0.2402



47.6128, 0.3222, 0.2405

Rectangle

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



47.6128, 0.4629, 0.3925



47.6128, 0.3861, 0.4664



47.6128, 0.1809, 0.2402



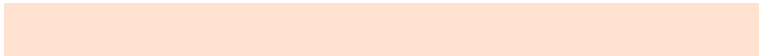
47.6128, 0.2312, 0.2132

Sweetspot

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



47.6083, 0.4629, 0.3925



80.2283, 0.3466, 0.3489



33.6076, 0.3875, 0.2367



16.5984, 0.3525, 0.3521



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.



47.6083, 0.4629, 0.3925



41.2165, 0.5018, 0.3977



83.9737, 0.4086, 0.4617



19.1946, 0.3284, 0.3387



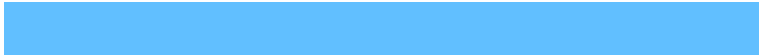
16.4795, 0.5686, 0.3867



1.8123, 0.5480, 0.4031

Inverse Universe

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



47.0318, 0.2189, 0.2474



40.4626, 0.2050, 0.2282



21.5287, 0.1955, 0.1458



19.1752, 0.2979, 0.3191



15.7626, 0.1862, 0.1902



1.7493, 0.1910, 0.2076

Previews

White Background



This preview shows how the Yxy color 47.6128, 0.4629, 0.3925 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 47.6128, 0.4629, 0.3925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

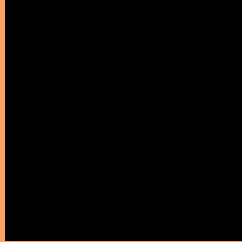
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6128, 0.4629, 0.3925

Background



This preview shows how black text looks on a background with the Yxy color 47.6128, 0.4629, 0.3925.



This preview shows how white text looks on a background with the Yxy color 47.6128, 0.4629, 0.3925.

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

47.6128, 0.4629, 0.3925

Protanopia

47.8575, 0.3926, 0.4266

Deuteranopia

47.6368, 0.4289, 0.4195



Tritanopia

47.4559, 0.4006, 0.3177

Trichromacy



Original Color

47.6128, 0.4629, 0.3925

Protanomaly

47.3821, 0.4176, 0.4145

Deuteranomaly

47.5802, 0.4419, 0.4093

Tritanomaly

47.2970, 0.4252, 0.3461

Monochromacy



Original Color

47.6128, 0.4629, 0.3925

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.0618, 0.3651, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6128, 0.4629, 0.3925 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 97) }
```

Border

The CSS property to change the border of an element to Yxy 47.6128, 0.4629, 0.3925 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, 97) }
```

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

```
.border{ border-color:rgb(255, 161, 97) }
```

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, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6128, 0.4629, 0.3925 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, 97) }
```

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

```
.background{ background-color: rgb(255,  
161, 97) }
```

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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