

Converting Colors

$Y_{xy}(47.1649, 0.4264, 0.3797)$

Have a look what the booklet for
Yxy(47.1649, 0.4264, 0.3797)
contains.

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Color

Yxy(47.1538, 0.4264, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	F0A678
RGB	240, 166, 120
RGB Percent	94%, 65%, 47%
CMY	0.0590, 0.3489, 0.5294
CMYK	0.00, 0.31, 0.50, 0.06
HSL	23°, 80%, 71%
HSV	23°, 50%, 94%
XYZ	52.9533, 47.1538, 24.0799
YIQ	182.8820, 58.8700, 1.3820

Conversions

Conversions Part 2

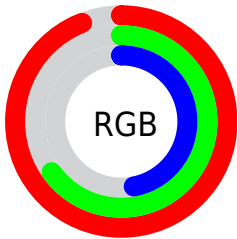
Format	Color
R_{YB}	240, 195, 120
Decimal	15771256
CIE _{Lab}	74.29, 22.25, 34.72
CIE _{LCh}	74, 41.240, 57.348
Yxy	47.1538, 0.4264, 0.3797
Android (android.graphics.Color)	4293961336 (0xFFFF0A678)
YUV	182.8820, -31.0008, 50.0925
Hunter-Lab	68.6686, 17.4789, 27.2770

Details

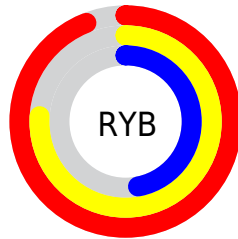
The Yxy color **47.1538, 0.4264, 0.3797** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **48.8420, 0.2360, 0.2696**, and the grayscale version is **47.4359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9900, 0.3715, 0.3783**, and **22.3133, 0.4565, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **41.5718, 0.4583, 0.3878**, and if you desaturate by 10%, it is **53.5050, 0.3972, 0.3699**.

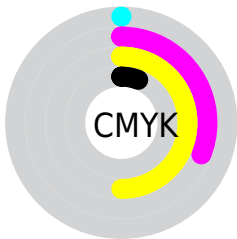
Distribution



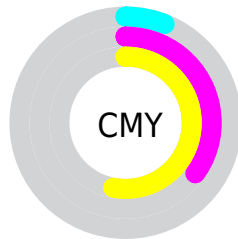
- Red (94%)
- Green (65%)
- Blue (47%)



- Red (94%)
- Yellow (76%)
- Blue (47%)



- Cyan (0%)
- Magenta (31%)
- Yellow (50%)
- Black (6%)





- Cyan (6%)
- Magenta (35%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1538, 0.4264, 0.3797 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 47.1538, 0.4264, 0.3797 by changing the saturation by 10% instead.


 47.1538, 0.4264,
0.3797


 47.1538, 0.4264,
0.3797


375.4281, 0.3698,
0.3574


 33.1573, 0.4401,
0.3841


 85.9432, 0.4061,
0.3725

 22.2469, 0.4573,
0.3889


 111.5048, 0.3984,
0.3695

 14.0385, 0.4792,
0.3941


 141.6902, 0.3918,
0.3668

 8.1474, 0.5079,
0.3986

176.8838, 0.3861,
0.3645

 4.1894, 0.5494,
0.4026

217.4700, 0.3812,
0.3625

 1.7801, 0.6038,
0.3962

263.8332, 0.3769,

 0.4747, 0.6789,

0.3606

0.3211

316.3577, 0.3731,
0.3589

0.0000, 0.0000,
0.0000

47.1538, 0.4264,
0.3797

47.1538, 0.4264,
0.3797

41.5718, 0.4583,
0.3878

53.5050, 0.3972,
0.3699

36.7200, 0.4917,
0.3928

60.6481, 0.3712,
0.3594

32.5660, 0.5242,
0.3936


68.6137, 0.3487,
0.3488


29.0712, 0.5533,
0.3892

77.4283, 0.3293,
0.3386

26.1854, 0.5770,
0.3800

87.1171, 0.3127,
0.3290

 26.1834, 0.5770,
0.3800

 97.1123, 0.3035,
0.3287

 97.2595, 0.3035,
0.3290

Harmonies

Analogous

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



47.1538, 0.4174, 0.3353



47.1538, 0.4264, 0.3797



47.1538, 0.4023, 0.4171

Triad

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



47.1538, 0.4264, 0.3797



47.1538, 0.2490, 0.3665



47.1538, 0.2642, 0.2410

Complementary

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



47.1538, 0.4264, 0.3797



48.8420, 0.2360, 0.2696

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.



47.1538, 0.2263, 0.2416



47.1538, 0.4264, 0.3797



47.1538, 0.2179, 0.3083

Square

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



47.1538, 0.4264, 0.3797



47.1538, 0.2988, 0.4160



47.1538, 0.2103, 0.2639



47.1538, 0.3187, 0.2595

Rectangle

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



47.1538, 0.4264, 0.3797



47.1538, 0.3725, 0.4315



47.1538, 0.2103, 0.2639



47.1538, 0.2493, 0.2390

Sweetspot

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



47.1561, 0.4264, 0.3797



83.6459, 0.3387, 0.3437



35.8469, 0.3652, 0.2500



17.4506, 0.3429, 0.3459



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.



47.1561, 0.4264, 0.3797



47.6020, 0.4590, 0.3879



74.2525, 0.3927, 0.4385



16.7529, 0.3284, 0.3381



14.5756, 0.5741, 0.3823



1.3993, 0.5496, 0.4018

Inverse Universe

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



48.8420, 0.2360, 0.2696



49.6631, 0.2224, 0.2548



27.3319, 0.2202, 0.1881



16.8512, 0.2980, 0.3197



15.2917, 0.1884, 0.1982



1.4639, 0.1937, 0.2173

Previews

White Background



This preview shows how the Yxy color 47.1538, 0.4264, 0.3797 looks on a white background.

Color Contrast Check

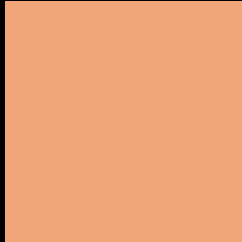
Large Text (above 18pt) WCAG AA × Fail

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 47.1538, 0.4264, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

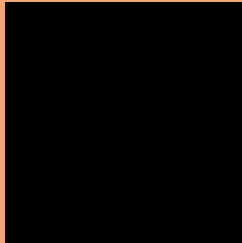
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1538, 0.4264, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 47.1538, 0.4264, 0.3797.



This preview shows how white text looks on a background with the Yxy color 47.1538, 0.4264, 0.3797.

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

47.1538, 0.4264, 0.3797

Protanopia

47.4050, 0.3722, 0.4005

Deuteranopia

47.1836, 0.4043, 0.3965



Tritanopia

46.9696, 0.3839, 0.3161

Trichromacy



Original Color

47.1538, 0.4264, 0.3797

Protanomaly

47.0457, 0.3915, 0.3936

Deuteranomaly

47.1679, 0.4117, 0.3903

Tritanomaly

47.1623, 0.4008, 0.3403

Monochromacy



Original Color

47.1538, 0.4264, 0.3797

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.8197, 0.3515, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1538, 0.4264, 0.3797 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(240, 166, 120)` looks like.

```
.text, #text, p{  
    color:rgb(240, 166, 120)  
}
```

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(240, 166, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 166, 120) }
```

Border

The CSS property to change the border of an element to Yxy 47.1538, 0.4264, 0.3797 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(240, 166, 120) }
```

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

```
.border{ border-color:rgb(240, 166, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 166, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 166, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 166, 120);  
box-shadow:4px 4px 4px 4px rgb(240, 166,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1538, 0.4264, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 166, 120) }
```

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

```
.background{ background-color: rgb(240,  
166, 120) }
```

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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