

Converting Colors

$Y_{xy}(47.5962, 0.4229, 0.3763)$

Have a look what the booklet for
Yxy(47.5962, 0.4229, 0.3763)
contains.

Yxy(47.6179, 0.4222, 0.3766)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6179, 0.4222, 0.3766)

Conversions

Conversions Part 1

Format	Color
Hex	F0A77C
RGB	240, 167, 124
RGB Percent	94%, 65%, 49%
CMY	0.0589, 0.3450, 0.5138
CMYK	0.00, 0.30, 0.48, 0.06
HSL	22°, 79%, 71%
HSV	22°, 48%, 94%
XYZ	53.3836, 47.6179, 25.4400
YIQ	183.9250, 57.3110, 2.1030

Conversions

Conversions Part 2

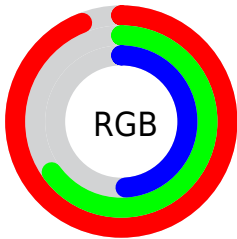
Format	Color
R _Y B	240, 192, 124
Decimal	15771516
CIE Lab	74.58, 22.09, 33.00
CIE LCh	75, 39.707, 56.200
Yxy	47.6179, 0.4222, 0.3766
Android (android.graphics.Color)	4293961596 (0xFFFF0A77C)
YUV	183.9250, -29.5430, 49.1778
Hunter-Lab	69.0057, 17.3297, 26.4458

Details

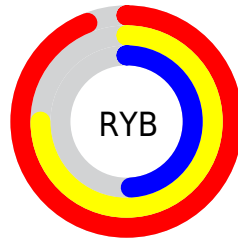
The Yxy color **47.6179, 0.4222, 0.3766** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **50.4747, 0.2387, 0.2739**, and the grayscale version is **48.0320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6769, 0.3684, 0.3751**, and **22.5796, 0.4521, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **41.8733, 0.4542, 0.3847**, and if you desaturate by 10%, it is **54.1603, 0.3931, 0.3670**.

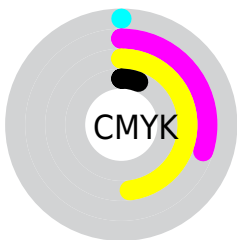
Distribution



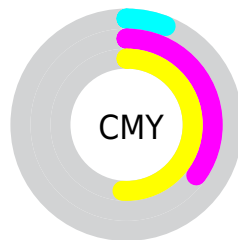
- Red (94%)
- Green (65%)
- Blue (49%)



- Red (94%)
- Yellow (75%)
- Blue (49%)



- Cyan (0%)
- Magenta (30%)
- Yellow (48%)
- Black (6%)



- Cyan (6%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6179, 0.4222, 0.3766 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 47.6179, 0.4222, 0.3766 by changing the saturation by 10% instead.


 47.6179, 0.4222,
0.3766

 47.6179, 0.4222,
0.3766

377.2756, 0.3676,
0.3556


 33.5244, 0.4354,
0.3808


 86.6352, 0.4026,
0.3697

 22.5285, 0.4521,
0.3854


 112.3278, 0.3952,
0.3669

 14.2457, 0.4735,
0.3904


 142.6556, 0.3888,
0.3645

 8.2918, 0.5016,
0.3951

178.0029, 0.3834,
0.3623

 4.2822, 0.5407,
0.3982

218.7542, 0.3787,
0.3604

 1.8326, 0.6020,
0.3980

265.2938, 0.3745,

 0.5074, 0.6709,

0.3586

0.3291

318.0061, 0.3709,
0.3571

0.0000, 0.0000,
0.0000

47.6179, 0.4222,
0.3766

47.6179, 0.4222,
0.3766

41.8733, 0.4542,
0.3847

54.1603, 0.3931,
0.3670

36.8866, 0.4881,
0.3901

61.5242, 0.3675,
0.3567

32.6242, 0.5216,
0.3914

69.7412, 0.3454,
0.3465

29.0467, 0.5519,
0.3877

78.8387, 0.3264,
0.3367

26.1069, 0.5767,
0.3789

88.8429, 0.3102,
0.3275

■ 25.6723, 0.5805,
0.3773

■ 97.2601, 0.3035,
0.3290

Harmonies

Analogous

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



47.6179, 0.4121, 0.3337



47.6179, 0.4222, 0.3766



47.6179, 0.4003, 0.4128

Triad

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



47.6179, 0.4222, 0.3766



47.6179, 0.2531, 0.3671



47.6179, 0.2644, 0.2438

Complementary

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



47.6179, 0.4222, 0.3766



50.4747, 0.2387, 0.2739

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.



47.6179, 0.2285, 0.2453



47.6179, 0.4222, 0.3766



47.6179, 0.2221, 0.3114

Square

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



47.6179, 0.4222, 0.3766



47.6179, 0.3016, 0.4135



47.6179, 0.2138, 0.2679



47.6179, 0.3164, 0.2610

Rectangle

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



47.6179, 0.4222, 0.3766



47.6179, 0.3723, 0.4270



47.6179, 0.2138, 0.2679



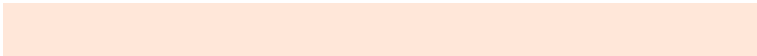
47.6179, 0.2503, 0.2421

Sweetspot

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



47.6202, 0.4222, 0.3766



83.3768, 0.3388, 0.3433



36.9825, 0.3607, 0.2505



17.3862, 0.3430, 0.3454



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.



47.6202, 0.4222, 0.3766



48.1574, 0.4538, 0.3846



73.5583, 0.3911, 0.4335



16.7196, 0.3284, 0.3378



14.2907, 0.5776, 0.3796



1.3733, 0.5528, 0.3993

Inverse Universe

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



50.4747, 0.2387, 0.2739



51.7160, 0.2254, 0.2602



29.1685, 0.2240, 0.1960



16.8856, 0.2980, 0.3200



15.8135, 0.1897, 0.2027



1.5053, 0.1948, 0.2212

Previews

White Background



This preview shows how the Yxy color 47.6179, 0.4222, 0.3766 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 47.6179, 0.4222, 0.3766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

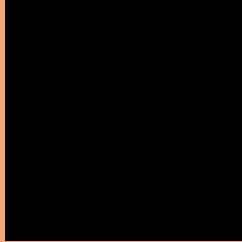
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6179, 0.4222, 0.3766

Background



This preview shows how black text looks on a background with the Yxy color 47.6179, 0.4222, 0.3766.



This preview shows how white text looks on a background with the Yxy color 47.6179, 0.4222, 0.3766.

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

47.6179, 0.4222, 0.3766

Protanopia

47.9254, 0.3685, 0.3966

Deuteranopia

47.8280, 0.4013, 0.3928



Tritanopia

47.7400, 0.3813, 0.3161

Trichromacy



Original Color

47.6179, 0.4222, 0.3766

Protanomaly

47.5454, 0.3876, 0.3900

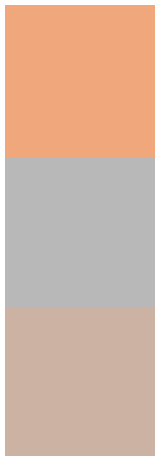
Deuteranomaly

47.8112, 0.4086, 0.3867

Tritanomaly

47.6156, 0.3974, 0.3381

Monochromacy



Original Color

47.6179, 0.4222, 0.3766

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.2868, 0.3495, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6179, 0.4222, 0.3766 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, 167, 124)` looks like.

```
.text, #text, p{  
    color:rgb(240, 167, 124)  
}
```

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, 167, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 167, 124) }
```

Border

The CSS property to change the border of an element to Yxy 47.6179, 0.4222, 0.3766 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, 167, 124) }
```

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

```
.border{ border-color:rgb(240, 167, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 167, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 167, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 167, 124);  
box-shadow:4px 4px 4px 4px rgb(240, 167,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6179, 0.4222, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 167, 124) }
```

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

```
.background{ background-color: rgb(240,  
167, 124) }
```

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