

Converting Colors

$Y_{xy}(47.4740, 0.4430, 0.3981)$

Have a look what the booklet for
Yxy(47.4740, 0.4430, 0.3981)
contains.

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Color

Yxy(47.4740, 0.4430, 0.3981)

Conversions

Conversions Part 1

Format	Color
Hex	F2A766
RGB	242, 167, 102
RGB Percent	95%, 65%, 40%
CMY	0.0511, 0.3450, 0.6000
CMYK	0.00, 0.31, 0.58, 0.05
HSL	28°, 84%, 67%
HSV	28°, 58%, 95%
XYZ	52.8284, 47.4740, 18.9491
YIQ	182.0150, 65.5650, -4.3150

Conversions

Conversions Part 2

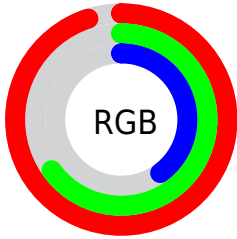
Format	Color
R _Y B	242, 223, 102
Decimal	15902566
CIE Lab	74.49, 21.05, 44.36
CIE LCh	74, 49.099, 64.616
Yxy	47.4740, 0.4430, 0.3981
Android (android.graphics.Color)	4294092646 (0xFFFF2A766)
YUV	182.0150, -39.4474, 52.6068
Hunter-Lab	68.9014, 16.2829, 31.9252

Details

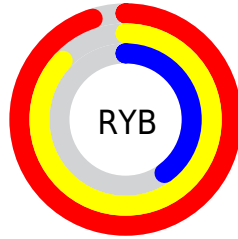
The Yxy color **47.4740, 0.4430, 0.3981** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.6608, 0.2219, 0.2424**, and the grayscale version is **46.9811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8356, 0.3845, 0.3983**, and **22.4545, 0.4760, 0.4105** is the 20% darker color. If you saturate the color by 10%, you get **42.5514, 0.4724, 0.4058**, and if you desaturate by 10%, it is **53.0172, 0.4146, 0.3876**.

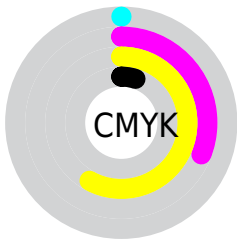
Distribution



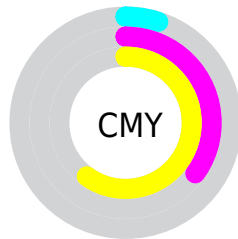
- Red (95%)
- Green (65%)
- Blue (40%)



- Red (95%)
- Yellow (87%)
- Blue (40%)



- Cyan (0%)
- Magenta (31%)
- Yellow (58%)
- Black (5%)




- Cyan (5%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4740, 0.4430, 0.3981 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 47.4740, 0.4430, 0.3981 by changing the saturation by 10% instead.


 47.4740, 0.4430,
0.3981

 47.4740, 0.4430,
0.3981


376.7034, 0.3791,
0.3682

 33.4105, 0.4579,
0.4037


 86.4207, 0.4205,
0.3885

 22.4411, 0.4761,
0.4097

 112.0728, 0.4118,
0.3845

 14.1814, 0.4986,
0.4156


 142.3565, 0.4043,
0.3810

 8.2469, 0.5263,
0.4198

 177.6562, 0.3979,
0.3778

 4.2534, 0.5722,
0.4278

218.3563, 0.3923,
0.3750

 1.8163, 0.5974,
0.4026

264.8413, 0.3874,

 0.4973, 0.6667,

0.3725

0.3333

317.4955, 0.3830,
0.3702

0.0000, 0.0000,
0.0000

47.4740, 0.4430,
0.3981

47.4740, 0.4430,
0.3981

42.5514, 0.4724,
0.4058

53.0172, 0.4146,
0.3876

38.2157, 0.5013,
0.4093

59.1982, 0.3883,
0.3756

34.4399, 0.5275,
0.4076

66.0423, 0.3646,
0.3629

31.1886, 0.5493,
0.4004

73.5709, 0.3436,
0.3502

30.5491, 0.5537,
0.3985

81.8042, 0.3254,
0.3381

■ 90.7618, 0.3095,
0.3266

■ 97.6126, 0.3047,
0.3290

Harmonies

Analogous

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



47.4740, 0.4435, 0.3472



47.4740, 0.4430, 0.3981



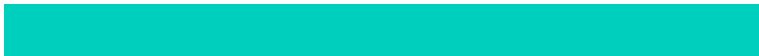
47.4740, 0.4054, 0.4398

Triad

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



47.4740, 0.4430, 0.3981



47.4740, 0.2263, 0.3559



47.4740, 0.2693, 0.2303

Complementary

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



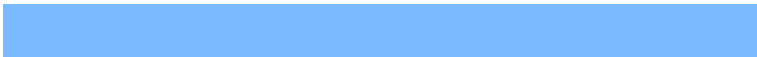
47.4740, 0.4430, 0.3981



40.6608, 0.2219, 0.2424

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.



47.4740, 0.2202, 0.2248



47.4740, 0.4430, 0.3981



47.4740, 0.1974, 0.2883

Square

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



47.4740, 0.4430, 0.3981



47.4740, 0.2796, 0.4225



47.4740, 0.1957, 0.2432



47.4740, 0.3363, 0.2561

Rectangle

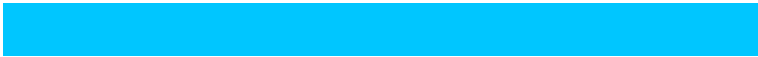
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.4740, 0.4430, 0.3981



47.4740, 0.3668, 0.4535



47.4740, 0.1957, 0.2432



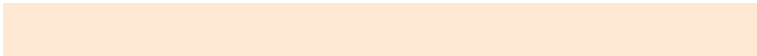
47.4740, 0.2504, 0.2260

Sweetspot

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



47.4764, 0.4430, 0.3981



83.5888, 0.3421, 0.3492



31.6296, 0.3889, 0.2485



17.5095, 0.3460, 0.3518



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.



47.4764, 0.4430, 0.3981



47.2381, 0.4764, 0.4065



79.2345, 0.3990, 0.4602



16.9691, 0.3282, 0.3400



16.6827, 0.5510, 0.4007



1.5850, 0.5293, 0.4180

Inverse Universe

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



40.6608, 0.2219, 0.2424



38.8753, 0.2069, 0.2217



20.1712, 0.2019, 0.1510



16.6307, 0.2980, 0.3178



12.2387, 0.1805, 0.1699



1.2171, 0.1868, 0.1924

Previews

White Background



This preview shows how the Yxy color 47.4740, 0.4430, 0.3981 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 47.4740, 0.4430, 0.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

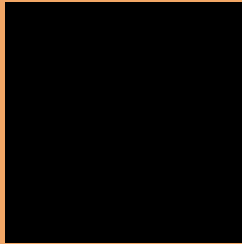
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4740, 0.4430, 0.3981

Background



This preview shows how black text looks on a background with the Yxy color 47.4740, 0.4430, 0.3981.



This preview shows how white text looks on a background with the Yxy color 47.4740, 0.4430, 0.3981.

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

47.4740, 0.4430, 0.3981

Protanopia

47.7812, 0.3895, 0.4236

Deuteranopia

47.5876, 0.4235, 0.4140



Tritanopia

47.5107, 0.3867, 0.3162

Trichromacy



Original Color

47.4740, 0.4430, 0.3981

Protanomaly

47.4803, 0.4085, 0.4141

Deuteranomaly

47.4336, 0.4303, 0.4078

Tritanomaly

47.3285, 0.4086, 0.3468

Monochromacy



Original Color

47.4740, 0.4430, 0.3981

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.5816, 0.3577, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4740, 0.4430, 0.3981 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(242, 167, 102)` looks like.

```
.text, #text, p{  
    color:rgb(242, 167, 102)  
}
```

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(242, 167, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 167, 102) }
```

Border

The CSS property to change the border of an element to Yxy 47.4740, 0.4430, 0.3981 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(242, 167, 102) }
```

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

```
.border{ border-color:rgb(242, 167, 102) }
```

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

Here you see how a box with a 4 pixel rgb(242, 167, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 167, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 167, 102);  
box-shadow:4px 4px 4px 4px rgb(242, 167,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4740, 0.4430, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 167, 102) }
```

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

```
.background{ background-color: rgb(242,  
167, 102) }
```

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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