

Converting Colors

$Y_{xy}(46.7765, 0.4298, 0.3734)$

Have a look what the booklet for
Yxy(46.7765, 0.4298, 0.3734)
contains.

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Color

Yxy(46.8326, 0.4301, 0.3736)

Conversions

Conversions Part 1

Format	Color
Hex	F4A37A
RGB	244, 163, 122
RGB Percent	96%, 64%, 48%
CMY	0.0432, 0.3607, 0.5216
CMYK	0.00, 0.33, 0.50, 0.04
HSL	20°, 85%, 72%
HSV	20°, 50%, 96%
XYZ	53.9152, 46.8326, 24.6072
YIQ	182.5450, 61.4370, 4.4210

Conversions

Conversions Part 2

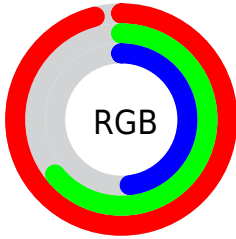
Format	Color
R_{YB}	244, 184, 122
Decimal	16032634
CIE _{Lab}	74.08, 25.61, 33.49
CIE _{LCh}	74, 42.162, 52.594
Yxy	46.8326, 0.4301, 0.3736
Android (android.graphics.Color)	4294222714 (0xFFFF4A37A)
YUV	182.5450, -29.8487, 53.8960
Hunter-Lab	68.4343, 20.8689, 26.5849

Details

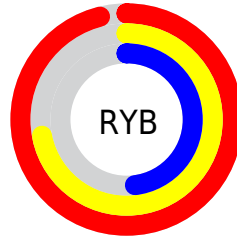
The Yxy color **46.8326, 0.4301, 0.3736** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **53.3652, 0.2374, 0.2772**, and the grayscale version is **47.2340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4980, 0.3710, 0.3733**, and **22.1642, 0.4619, 0.3807** is the 20% darker color. If you saturate the color by 10%, you get **40.9160, 0.4640, 0.3805**, and if you desaturate by 10%, it is **53.6421, 0.3994, 0.3651**.

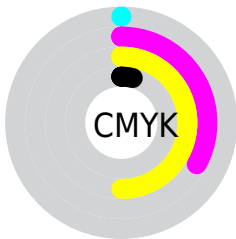
Distribution



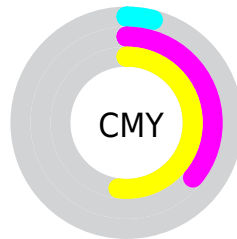
- Red (96%)
- Green (64%)
- Blue (48%)



- Red (96%)
- Yellow (72%)
- Blue (48%)



- Cyan (0%)
- Magenta (33%)
- Yellow (50%)
- Black (4%)





- Cyan (4%)
- Magenta (36%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8326, 0.4301, 0.3736 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 46.8326, 0.4301, 0.3736 by changing the saturation by 10% instead.


 46.8326, 0.4301,
0.3736

 46.8326, 0.4301,
0.3736

374.1459, 0.3714,
0.3545

 32.9033, 0.4444,
0.3772


 85.4637, 0.4090,
0.3675

 22.0524, 0.4623,
0.3810


 110.9343, 0.4010,
0.3650

 13.8954, 0.4854,
0.3848

 141.0208, 0.3942,
0.3627

 8.0480, 0.5156,
0.3876

176.1077, 0.3883,
0.3607

 4.1257, 0.5588,
0.3883

216.5792, 0.3833,
0.3589

 1.7441, 0.6201,
0.3799

262.8198, 0.3788,

 0.4520, 0.7037,

0.3573

0.2963

315.2139, 0.3749,
0.3558

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

46.8326, 0.4301,
0.3736

46.8326, 0.4301,
0.3736

40.9160, 0.4640,
0.3805

53.6421, 0.3994,
0.3651

35.8461, 0.4996,
0.3845


61.3743, 0.3724,
0.3558


31.5825, 0.5345,
0.3844

70.0659, 0.3492,
0.3465

28.0777, 0.5654,
0.3792

79.7494, 0.3294,
0.3375

 25.2717, 0.5900,
0.3697

 90.4559, 0.3127,
0.3290

 97.9712, 0.3060,
0.3290

Harmonies

Analogous

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



46.8326, 0.4153, 0.3280



46.8326, 0.4301, 0.3736



46.8326, 0.4102, 0.4139

Triad

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



46.8326, 0.4301, 0.3736



46.8326, 0.2545, 0.3768



46.8326, 0.2556, 0.2379

Complementary

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



46.8326, 0.4301, 0.3736



53.3652, 0.2374, 0.2772

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.



46.8326, 0.2202, 0.2417



46.8326, 0.4301, 0.3736



46.8326, 0.2192, 0.3166

Square

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



46.8326, 0.4301, 0.3736



46.8326, 0.3074, 0.4239



46.8326, 0.2076, 0.2681



46.8326, 0.3092, 0.2538

Rectangle

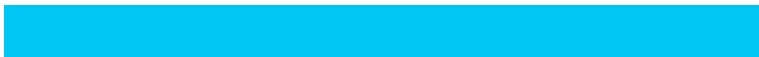
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.8326, 0.4301, 0.3736



46.8326, 0.3818, 0.4316



46.8326, 0.2076, 0.2681



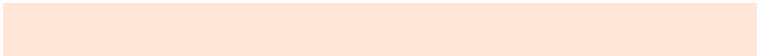
46.8326, 0.2414, 0.2368

Sweetspot

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



46.8349, 0.4301, 0.3736



82.6342, 0.3390, 0.3419



37.4755, 0.3586, 0.2440



17.2085, 0.3432, 0.3439



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.



46.8349, 0.4301, 0.3736



45.1476, 0.4645, 0.3806



73.7630, 0.3958, 0.4333



17.3930, 0.3285, 0.3370



13.9678, 0.5871, 0.3720



1.4097, 0.5629, 0.3912

Inverse Universe

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



53.3652, 0.2374, 0.2772



53.0194, 0.2245, 0.2644



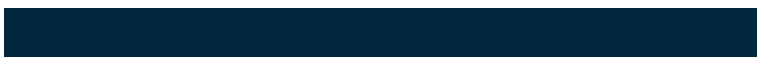
30.1108, 0.2216, 0.1958



17.7643, 0.2980, 0.3209



17.8565, 0.1931, 0.2151



1.7586, 0.1975, 0.2310

Previews

White Background



This preview shows how the Yxy color 46.8326, 0.4301, 0.3736 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 46.8326, 0.4301, 0.3736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

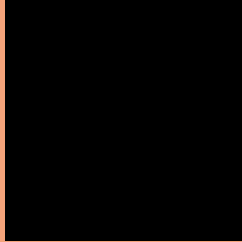
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8326, 0.4301, 0.3736

Background



This preview shows how black text looks on a background with the Yxy color 46.8326, 0.4301, 0.3736.



This preview shows how white text looks on a background with the Yxy color 46.8326, 0.4301, 0.3736.

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

46.8326, 0.4301, 0.3736

Protanopia

46.9379, 0.3692, 0.3958

Deuteranopia

47.0761, 0.4017, 0.3945



Tritanopia

46.9350, 0.3903, 0.3163

Trichromacy



Original Color

46.8326, 0.4301, 0.3736

Protanomaly

46.4884, 0.3909, 0.3875

Deuteranomaly

47.0003, 0.4115, 0.3867

Tritanomaly

46.8374, 0.4058, 0.3369

Monochromacy



Original Color

46.8326, 0.4301, 0.3736

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.6030, 0.3518, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8326, 0.4301, 0.3736 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(244, 163, 122)` looks like.

```
.text, #text, p{  
    color:rgb(244, 163, 122)  
}
```

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(244, 163, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 163, 122) }
```

Border

The CSS property to change the border of an element to Yxy 46.8326, 0.4301, 0.3736 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(244, 163, 122) }
```

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

```
.border{ border-color:rgb(244, 163, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 163, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 163, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 163, 122); box-shadow:4px 4px 4px 4px rgb(244, 163, 122) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8326, 0.4301, 0.3736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 163, 122) }
```

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

```
.background{ background-color: rgb(244,  
163, 122) }
```

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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