

Converting Colors

$Y_{xy}(46.5126, 0.4322, 0.3814)$

Have a look what the booklet for
Yxy(46.5126, 0.4322, 0.3814)
contains.

Yxy(46.5126, 0.4322, 0.3814)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.5126, 0.4322, 0.3814)

Conversions

Conversions Part 1

Format	Color
Hex	F1A474
RGB	241, 164, 116
RGB Percent	95%, 64%, 45%
CMY	0.0549, 0.3569, 0.5450
CMYK	0.00, 0.32, 0.52, 0.05
HSL	23°, 82%, 70%
HSV	23°, 52%, 95%
XYZ	52.7078, 46.5126, 22.7319
YIQ	181.5510, 61.3000, 1.3960

Conversions

Conversions Part 2

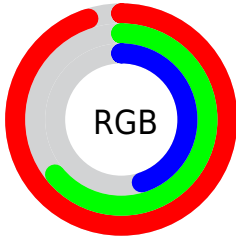
Format	Color
R_{YB}	241, 194, 116
Decimal	15836276
CIE _{Lab}	73.88, 23.39, 36.31
CIE _{LCh}	74, 43.192, 57.219
Yxy	46.5126, 0.4322, 0.3814
Android (android.graphics.Color)	4294026356 (0xFFFF1A474)
YUV	181.5510, -32.3166, 52.1368
Hunter-Lab	68.2001, 18.6016, 27.9781

Details

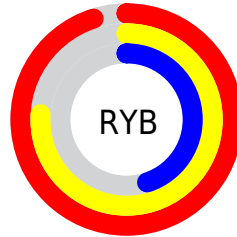
The Yxy color **46.5126, 0.4322, 0.3814** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.2260, 0.2333, 0.2669**, and the grayscale version is **46.6788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7876, 0.3750, 0.3804**, and **21.9387, 0.4643, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **41.0159, 0.4645, 0.3890**, and if you desaturate by 10%, it is **52.7802, 0.4024, 0.3719**.

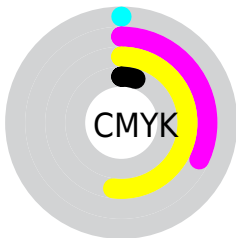
Distribution



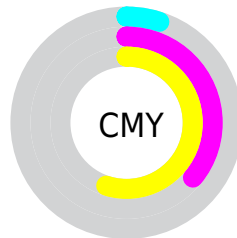
- Red (95%)
- Green (64%)
- Blue (45%)



- Red (95%)
- Yellow (76%)
- Blue (45%)



- Cyan (0%)
- Magenta (32%)
- Yellow (52%)
- Black (5%)





- Cyan (5%)
- Magenta (36%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5126, 0.4322, 0.3814 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 46.5126, 0.4322, 0.3814 by changing the saturation by 10% instead.

 46.5126, 0.4322,
0.3814


 46.5126, 0.4322,
0.3814


372.8657, 0.3726,
0.3586


 32.6505, 0.4466,
0.3858


 84.9856, 0.4108,
0.3741

 21.8589, 0.4645,
0.3905


 110.3654, 0.4027,
0.3710

 13.7532, 0.4874,
0.3953


 140.3531, 0.3958,
0.3683

 7.9492, 0.5171,
0.3991

175.3332, 0.3899,
0.3659

 4.0625, 0.5626,
0.4037

215.6902, 0.3847,
0.3638

 1.7086, 0.6106,
0.3894

261.8083, 0.3802,

 0.4292, 0.6968,

0.3619

0.3032

314.0720, 0.3762,
0.3602

0.0000, 0.0000,
0.0000

46.5126, 0.4322,
0.3814

46.5126, 0.4322,
0.3814

41.0159, 0.4645,
0.3890

52.7802, 0.4024,
0.3719

36.2503, 0.4979,
0.3934

59.8421, 0.3758,
0.3614

32.1825, 0.5300,
0.3932


67.7295, 0.3526,
0.3508

28.7726, 0.5581,
0.3878

76.4693, 0.3327,
0.3405

26.4440, 0.5770,
0.3800

86.0874, 0.3156,
0.3307

 96.2398, 0.3042,
0.3271

 97.4427, 0.3042,
0.3290

Harmonies

Analogous

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



46.5126, 0.4228, 0.3350



46.5126, 0.4322, 0.3814



46.5126, 0.4067, 0.4210

Triad

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



46.5126, 0.4322, 0.3814



46.5126, 0.2459, 0.3687



46.5126, 0.2615, 0.2370

Complementary

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



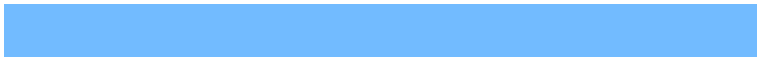
46.5126, 0.4322, 0.3814



48.2260, 0.2333, 0.2669

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.



46.5126, 0.2221, 0.2375



46.5126, 0.4322, 0.3814



46.5126, 0.2134, 0.3072

Square

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



46.5126, 0.4322, 0.3814



46.5126, 0.2980, 0.4212



46.5126, 0.2055, 0.2607



46.5126, 0.3186, 0.2562

Rectangle

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



46.5126, 0.4322, 0.3814



46.5126, 0.3754, 0.4368



46.5126, 0.2055, 0.2607



46.5126, 0.2460, 0.2348

Sweetspot

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



46.5149, 0.4322, 0.3814



82.6405, 0.3407, 0.3448



35.0556, 0.3680, 0.2473



17.2504, 0.3448, 0.3469



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.



46.5149, 0.4322, 0.3814



46.4315, 0.4656, 0.3892



74.5914, 0.3955, 0.4420



16.7534, 0.3284, 0.3381



14.5798, 0.5741, 0.3824



1.3997, 0.5496, 0.4018

Inverse Universe

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



48.2260, 0.2333, 0.2669



48.4826, 0.2199, 0.2518



26.1954, 0.2163, 0.1819



16.8507, 0.2980, 0.3197



15.2842, 0.1884, 0.1982



1.4633, 0.1937, 0.2172

Previews

White Background



This preview shows how the Yxy color 46.5126, 0.4322, 0.3814 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 46.5126, 0.4322, 0.3814 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 46.5126, 0.4322, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 46.5126, 0.4322, 0.3814.



This preview shows how white text looks on a background with the Yxy color 46.5126, 0.4322, 0.3814.

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

46.5126, 0.4322, 0.3814

Protanopia

46.7563, 0.3749, 0.4046

Deuteranopia

46.7027, 0.4083, 0.3998



Tritanopia

46.3910, 0.3875, 0.3161

Trichromacy



Original Color

46.5126, 0.4322, 0.3814

Protanomaly

46.1621, 0.3960, 0.3960

Deuteranomaly

46.4812, 0.4173, 0.3921

Tritanomaly

46.5767, 0.4046, 0.3403

Monochromacy



Original Color

46.5126, 0.4322, 0.3814

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.8251, 0.3529, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5126, 0.4322, 0.3814 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(241, 164, 116)` looks like.

```
.text, #text, p{  
    color:rgb(241, 164, 116)  
}
```

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(241, 164, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 164, 116) }
```

Border

The CSS property to change the border of an element to Yxy 46.5126, 0.4322, 0.3814 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(241, 164, 116) }
```

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

```
.border{ border-color:rgb(241, 164, 116) }
```

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

Here you see how a box with a 4 pixel rgb(241, 164, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 164, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 164, 116);  
box-shadow:4px 4px 4px 4px rgb(241, 164,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5126, 0.4322, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 164, 116) }
```

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

```
.background{ background-color: rgb(241,  
164, 116) }
```

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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