

Converting Colors

$Y_{xy}(42.4684, 0.4477, 0.3803)$

Have a look what the booklet for
Yxy(42.4684, 0.4477, 0.3803)
contains.

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Color

Yxy(42.3483, 0.4480, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	F0996A
RGB	240, 153, 106
RGB Percent	94%, 60%, 42%
CMY	0.0588, 0.4000, 0.5845
CMYK	0.00, 0.36, 0.56, 0.06
HSL	21°, 82%, 68%
HSV	21°, 56%, 94%
XYZ	49.9264, 42.3483, 19.1682
YIQ	173.6550, 66.9390, 3.8270

Conversions

Conversions Part 2

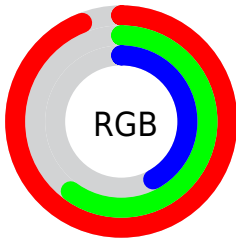
Format	Color
R _{YB}	240, 178, 106
Decimal	15767914
CIE _{Lab}	71.11, 27.95, 38.10
CIE _{LCh}	71, 47.254, 53.733
Yxy	42.3483, 0.4480, 0.3800
Android (android.graphics.Color)	4293957994 (0xFFFF0996A)
YUV	173.6550, -33.3539, 58.1846
Hunter-Lab	65.0756, 23.0642, 28.0889

Details

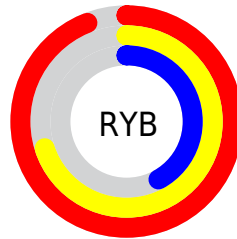
The Yxy color **42.3483, 0.4480, 0.3800** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **47.4735, 0.2293, 0.2672**, and the grayscale version is **42.2896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8404, 0.3871, 0.3808**, and **19.3061, 0.4858, 0.3873** is the 20% darker color. If you saturate the color by 10%, you get **37.1484, 0.4824, 0.3857**, and if you desaturate by 10%, it is **48.3578, 0.4159, 0.3719**.

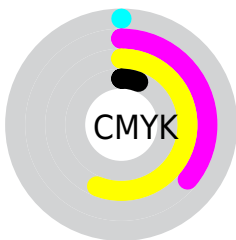
Distribution



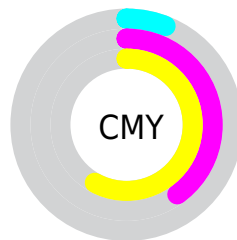
- Red (94%)
- Green (60%)
- Blue (42%)



- Red (94%)
- Yellow (70%)
- Blue (42%)



- Cyan (0%)
- Magenta (36%)
- Yellow (56%)
- Black (6%)




- Cyan (6%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3483, 0.4480, 0.3800 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 42.3483, 0.4480, 0.3800 by changing the saturation by 10% instead.

 42.3483, 0.4480,
0.3800


 42.3483, 0.4480,
0.3800


355.9247, 0.3796,
0.3586

 29.3741, 0.4646,
0.3837


 78.7265, 0.4233,
0.3734


 19.3640, 0.4855,
0.3873


 102.8993, 0.4140,
0.3705

 11.9336, 0.5120,
0.3901


 131.5737, 0.4061,
0.3680

 6.6985, 0.5462,
0.3902

 165.1343, 0.3993,
0.3657

 3.2743, 0.6064,
0.3936

203.9652, 0.3934,
0.3636

 1.2765, 0.6440,
0.3560

248.4510, 0.3882,

 0.1229, 0.8667,

0.3618

0.1333

298.9761, 0.3837,
0.3601

0.0000, 0.0000,
0.0000

42.3483, 0.4480,
0.3800

42.3483, 0.4480,
0.3800

37.1484, 0.4824,
0.3857

48.3578, 0.4159,
0.3719

32.7141, 0.5173,
0.3878

55.2052, 0.3871,
0.3626

29.0063, 0.5496,
0.3850

62.9254, 0.3620,
0.3529

25.9786, 0.5763,
0.3771

71.5489, 0.3405,
0.3432

24.9026, 0.5859,
0.3730

81.1048, 0.3221,
0.3341

91.6210, 0.3066,
0.3255

97.2652, 0.3035,
0.3290

Harmonies

Analogous

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



42.3483, 0.4331, 0.3286



42.3483, 0.4480, 0.3800



42.3483, 0.4225, 0.4267

Triad

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



42.3483, 0.4480, 0.3800



42.3483, 0.2432, 0.3821



42.3483, 0.2489, 0.2258

Complementary

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



42.3483, 0.4480, 0.3800



47.4735, 0.2293, 0.2672

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.



42.3483, 0.2084, 0.2286



42.3483, 0.4480, 0.3800



42.3483, 0.2048, 0.3110

Square

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



42.3483, 0.4480, 0.3800



42.3483, 0.3029, 0.4393



42.3483, 0.1933, 0.2565



42.3483, 0.3108, 0.2447

Rectangle

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



42.3483, 0.4480, 0.3800



42.3483, 0.3887, 0.4480



42.3483, 0.1933, 0.2565



42.3483, 0.2327, 0.2241

Sweetspot

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



42.3504, 0.4480, 0.3800



80.8603, 0.3429, 0.3444



32.6801, 0.3688, 0.2376



16.8678, 0.3471, 0.3463



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.



42.3504, 0.4480, 0.3800



41.8841, 0.4873, 0.3862



70.6961, 0.4039, 0.4455



16.6663, 0.3284, 0.3373



13.8577, 0.5830, 0.3753



1.3331, 0.5578, 0.3953

Inverse Universe

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



47.4735, 0.2293, 0.2672



48.1573, 0.2158, 0.2520



24.2928, 0.2096, 0.1747



16.9408, 0.2980, 0.3205



16.6755, 0.1916, 0.2099



1.5732, 0.1965, 0.2274

Previews

White Background



This preview shows how the Yxy color 42.3483, 0.4480, 0.3800 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 42.3483, 0.4480, 0.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

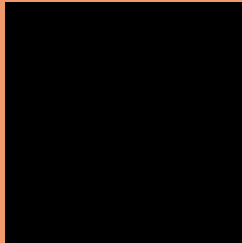
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3483, 0.4480, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 42.3483, 0.4480, 0.3800.



This preview shows how white text looks on a background with the Yxy color 42.3483, 0.4480, 0.3800.

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

42.3483, 0.4480, 0.3800

Protanopia

42.4342, 0.3794, 0.4085

Deuteranopia

42.6138, 0.4143, 0.4066



Tritanopia

42.2252, 0.4032, 0.3172

Trichromacy



Original Color

42.3483, 0.4480, 0.3800

Protanomaly

41.8300, 0.4041, 0.3975

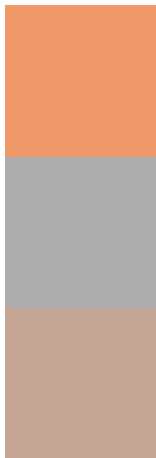
Deuteranomaly

42.3697, 0.4265, 0.3968

Tritanomaly

42.3846, 0.4212, 0.3414

Monochromacy



Original Color

42.3483, 0.4480, 0.3800

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.4481, 0.3589, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3483, 0.4480, 0.3800 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, 153, 106)` looks like.

```
.text, #text, p{  
    color:rgb(240, 153, 106)  
}
```

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, 153, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 153, 106) }
```

Border

The CSS property to change the border of an element to Yxy 42.3483, 0.4480, 0.3800 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, 153, 106) }
```

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

```
.border{ border-color:rgb(240, 153, 106) }
```

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

Here you see how a box with a 4 pixel rgb(240, 153, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 153, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 153, 106);  
box-shadow:4px 4px 4px 4px rgb(240, 153,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3483, 0.4480, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 153, 106) }
```

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

```
.background{ background-color: rgb(240,  
153, 106) }
```

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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