

Converting Colors

$Y_{xy}(47.6083, 0.4013, 0.4107)$

Have a look what the booklet for
Yxy(47.6083, 0.4013, 0.4107)
contains.

Yxy(47.5340, 0.4012, 0.4107)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.5340, 0.4012, 0.4107)

Conversions

Conversions Part 1

Format	Color
Hex	D5B36F
RGB	213, 179, 111
RGB Percent	84%, 70%, 44%
CMY	0.1646, 0.2980, 0.5646
CMYK	0.00, 0.16, 0.48, 0.16
HSL	40°, 55%, 64%
HSV	40°, 48%, 84%
XYZ	46.4345, 47.5340, 21.7705
YIQ	181.4140, 42.0920, -13.9400

Conversions

Conversions Part 2

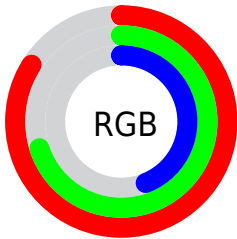
Format	Color
RYB	162, 213, 111
Decimal	14005103
CIELab	74.53, 3.58, 39.14
CIELCh	75, 39.300, 84.774
Yxy	47.5340, 0.4012, 0.4107
Android (android.graphics.Color)	4292195183 (0xFFD5B36F)
YUV	181.4140, -34.7141, 27.7009
Hunter-Lab	68.9449, -0.4336, 29.5396

Details

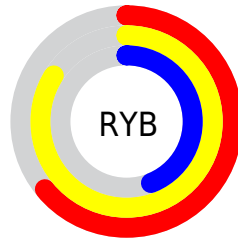
The Yxy color **47.5340, 0.4012, 0.4107** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.4474, 0.2313, 0.2292**, and the grayscale version is **46.6216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3570, 0.3731, 0.4005**, and **22.5836, 0.4231, 0.4315** is the 20% darker color. If you saturate the color by 10%, you get **44.3466, 0.4223, 0.4256**, and if you desaturate by 10%, it is **50.9845, 0.3804, 0.3940**.

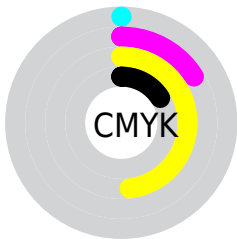
Distribution



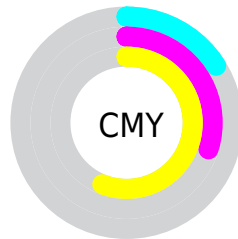
- Red (84%)
- Green (70%)
- Blue (44%)



- Red (64%)
- Yellow (84%)
- Blue (44%)



- Cyan (0%)
- Magenta (16%)
- Yellow (48%)
- Black (16%)





- Cyan (16%)
- Magenta (30%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5340, 0.4012, 0.4107 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 47.5340, 0.4012, 0.4107 by changing the saturation by 10% instead.

 47.5340, 0.4012,
0.4107


 47.5340, 0.4012,
0.4107


376.9420, 0.3581,
0.3716

 33.4580, 0.4112,
0.4196


 86.5102, 0.3860,
0.3971

 22.4775, 0.4236,
0.4303


 112.1791, 0.3801,
0.3918

 14.2082, 0.4389,
0.4433


 142.4812, 0.3751,
0.3872

 8.2656, 0.4578,
0.4587

 177.8008, 0.3708,
0.3832

 4.2654, 0.4899,
0.4850

218.5223, 0.3670,
0.3798

 1.8231, 0.5074,
0.4926

265.0300, 0.3636,

 0.5015, 0.5293,

0.3767

0.4707

317.7085, 0.3607,
0.3740

0.0000, 0.0000,
0.0000

47.5340, 0.4012,
0.4107

47.5340, 0.4012,
0.4107

44.3466, 0.4223,
0.4256

50.9845, 0.3804,
0.3940

41.4053, 0.4429,
0.4375

54.7009, 0.3605,
0.3766

38.7010, 0.4619,
0.4454

58.6941, 0.3419,
0.3590

36.2206, 0.4783,
0.4484

62.9723, 0.3249,
0.3419

33.9464, 0.4915,
0.4465

67.5434, 0.3096,
0.3256

■ 33.4863, 0.4941,
0.4458

■ 72.4147, 0.2958,
0.3104

■ 77.2585, 0.2865,
0.3014

■ 81.2650, 0.2868,
0.3090

■ 85.4341, 0.2872,
0.3165

Harmonies

Analogous

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



47.5340, 0.4214, 0.3743



47.5340, 0.4012, 0.4107



47.5340, 0.3577, 0.4283

Triad

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



47.5340, 0.4012, 0.4107



47.5340, 0.2239, 0.3141



47.5340, 0.3137, 0.2604

Complementary

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



47.5340, 0.4012, 0.4107



28.4474, 0.2313, 0.2292

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.



47.5340, 0.2627, 0.2442



47.5340, 0.4012, 0.4107



47.5340, 0.2145, 0.2701

Square

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



47.5340, 0.4012, 0.4107



47.5340, 0.2556, 0.3693



47.5340, 0.2280, 0.2466



47.5340, 0.3690, 0.2914

Rectangle

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



47.5340, 0.4012, 0.4107



47.5340, 0.3222, 0.4228



47.5340, 0.2280, 0.2466



47.5340, 0.2955, 0.2531

Sweetspot

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



47.5362, 0.4012, 0.4107



90.5473, 0.3354, 0.3525



27.6189, 0.3965, 0.2853



19.0857, 0.3392, 0.3563



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.



47.5362, 0.4012, 0.4107



66.7726, 0.4217, 0.4252



60.7132, 0.3702, 0.4506



13.7896, 0.3275, 0.3445



20.6458, 0.4928, 0.4469



1.3946, 0.4770, 0.4595

Inverse Universe

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



28.4474, 0.2313, 0.2292



35.0099, 0.2144, 0.2046



20.6370, 0.2341, 0.1834



12.6787, 0.2982, 0.3130



5.8591, 0.1636, 0.1089



0.5035, 0.1734, 0.1441

Previews

White Background



This preview shows how the Yxy color 47.5340, 0.4012, 0.4107 looks on a white background.

Color Contrast Check

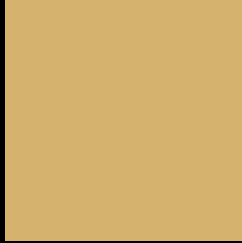
Large Text (above 18pt) WCAG AA × Fail

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 47.5340, 0.4012, 0.4107 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 47.5340, 0.4012, 0.4107

Background



This preview shows how black text looks on a background with the Yxy color 47.5340, 0.4012, 0.4107.

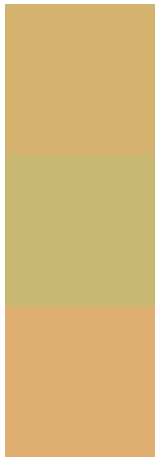


This preview shows how white text looks on a background with the Yxy color 47.5340, 0.4012, 0.4107.

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

47.5340, 0.4012, 0.4107

Protanopia

47.7526, 0.3847, 0.4181

Deuteranopia

47.3594, 0.4112, 0.4025



Tritanopia

47.3840, 0.3473, 0.3138

Trichromacy



Original Color

47.5340, 0.4012, 0.4107

Protanomaly

47.6049, 0.3912, 0.4154

Deuteranomaly

47.2806, 0.4078, 0.4045

Tritanomaly

47.0732, 0.3675, 0.3485

Monochromacy



Original Color

47.5340, 0.4012, 0.4107

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.3803, 0.3442, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5340, 0.4012, 0.4107 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(213, 179, 111)` looks like.

```
.text, #text, p{  
    color:rgb(213, 179, 111)  
}
```

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(213, 179, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 179, 111) }
```

Border

The CSS property to change the border of an element to Yxy 47.5340, 0.4012, 0.4107 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(213, 179, 111) }
```

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

```
.border{ border-color:rgb(213, 179, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 179, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 179, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 179, 111);  
box-shadow:4px 4px 4px 4px rgb(213, 179,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5340, 0.4012, 0.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 179, 111) }
```

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

```
.background{ background-color: rgb(213,  
179, 111) }
```

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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