

Converting Colors

$Y_{xy}(47.8781, 0.4086, 0.4166)$

Have a look what the booklet for
Yxy(47.8781, 0.4086, 0.4166)
contains.

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Color

Yxy(47.8590, 0.4087, 0.4163)

Conversions

Conversions Part 1

Format	Color
Hex	D8B369
RGB	216, 179, 105
RGB Percent	85%, 70%, 41%
CMY	0.1530, 0.2980, 0.5883
CMYK	0.00, 0.17, 0.51, 0.15
HSL	40°, 59%, 63%
HSV	40°, 51%, 85%
XYZ	46.9853, 47.8590, 20.1185
YIQ	181.6270, 45.8060, -15.1700

Conversions

Conversions Part 2

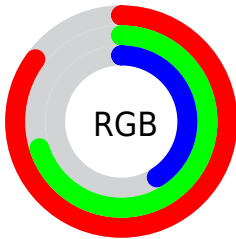
Format	Color
RYB	161, 216, 105
Decimal	14201705
CIELab	74.74, 4.24, 42.53
CIELCh	75, 42.739, 84.302
Yxy	47.8590, 0.4087, 0.4163
Android (android.graphics.Color)	4292391785 (0xFFD8B369)
YUV	181.6270, -37.7771, 30.1451
Hunter-Lab	69.1802, 0.1669, 31.1839

Details

The Yxy color **47.8590, 0.4087, 0.4163** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.2908, 0.2250, 0.2202**, and the grayscale version is **46.7557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1453, 0.3769, 0.4064**, and **22.8255, 0.4322, 0.4370** is the 20% darker color. If you saturate the color by 10%, you get **44.6629, 0.4298, 0.4303**, and if you desaturate by 10%, it is **51.3229, 0.3876, 0.4001**.

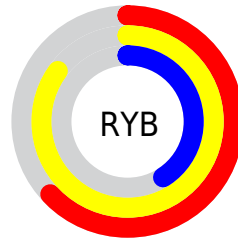
Distribution



Red (85%)

Green (70%)

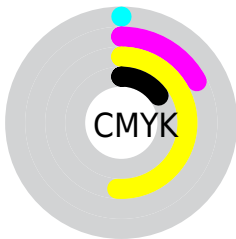
Blue (41%)



Red (63%)

Yellow (85%)

Blue (41%)

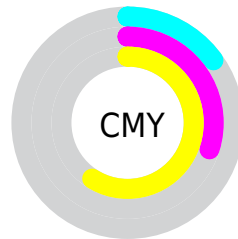


Cyan (0%)

Magenta (17%)

Yellow (51%)

Black (15%)



Cyan (15%)


Magenta (30%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8590, 0.4087, 0.4163 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 47.8590, 0.4087, 0.4163 by changing the saturation by 10% instead.


 47.8590, 0.4087,
0.4163


 47.8590, 0.4087,
0.4163


378.2330, 0.3622,
0.3749


 33.7152, 0.4194,
0.4255


 86.9944, 0.3924,
0.4020


 22.6749, 0.4323,
0.4364


 112.7549, 0.3861,
0.3964

 14.3537, 0.4482,
0.4493


 143.1564, 0.3807,
0.3916

 8.3671, 0.4673,
0.4641

 178.5833, 0.3760,
0.3874

 4.3307, 0.5047,
0.4943

219.4200, 0.3719,
0.3837

 1.8602, 0.5109,
0.4891

266.0509, 0.3683,

 0.5243, 0.5345,

0.3804

0.4655

318.8604, 0.3651,
0.3775

0.0000, 0.0000,
0.0000

47.8590, 0.4087,
0.4163

47.8590, 0.4087,
0.4163

44.6629, 0.4298,
0.4303

51.3229, 0.3876,
0.4001

41.7168, 0.4499,
0.4409

55.0578, 0.3674,
0.3828

39.0107, 0.4680,
0.4471

59.0752, 0.3483,
0.3652

36.5301, 0.4832,
0.4484

63.3839, 0.3307,
0.3479

34.5574, 0.4941,
0.4459

67.9920, 0.3148,
0.3313

■ 72.9073, 0.3005,
0.3156

■ 78.0618, 0.2884,
0.3022

■ 82.1347, 0.2887,
0.3098

■ 86.3746, 0.2890,
0.3174

Harmonies

Analogous

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



47.8590, 0.4306, 0.3763



47.8590, 0.4087, 0.4163



47.8590, 0.3617, 0.4368

Triad

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



47.8590, 0.4087, 0.4163



47.8590, 0.2173, 0.3132



47.8590, 0.3126, 0.2549

Complementary

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



47.8590, 0.4087, 0.4163



27.2908, 0.2250, 0.2202

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.



47.8590, 0.2579, 0.2378



47.8590, 0.4087, 0.4163



47.8590, 0.2071, 0.2655

Square

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



47.8590, 0.4087, 0.4163



47.8590, 0.2515, 0.3738



47.8590, 0.2211, 0.2404



47.8590, 0.3728, 0.2877

Rectangle

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



47.8590, 0.4087, 0.4163



47.8590, 0.3234, 0.4318



47.8590, 0.2211, 0.2404



47.8590, 0.2929, 0.2472

Sweetspot

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



47.8613, 0.4087, 0.4163



89.9155, 0.3371, 0.3543



26.6476, 0.4086, 0.2847



18.9594, 0.3409, 0.3580



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.



47.8613, 0.4087, 0.4163



64.5212, 0.4322, 0.4317



62.0615, 0.3722, 0.4597



13.7905, 0.3275, 0.3445



20.6625, 0.4927, 0.4470



1.3955, 0.4769, 0.4595

Inverse Universe

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



27.2908, 0.2250, 0.2202



31.4289, 0.2060, 0.1915



19.3015, 0.2286, 0.1719



12.6778, 0.2982, 0.3130



5.8518, 0.1636, 0.1088



0.5030, 0.1733, 0.1440

Previews

White Background



This preview shows how the Yxy color 47.8590, 0.4087, 0.4163 looks on a white background.

Color Contrast Check

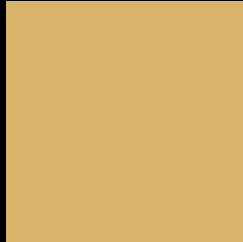
Large Text (above 18pt) WCAG AA × Fail

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 47.8590, 0.4087, 0.4163 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 47.8590, 0.4087, 0.4163

Background



This preview shows how black text looks on a background with the Yxy color 47.8590, 0.4087, 0.4163.

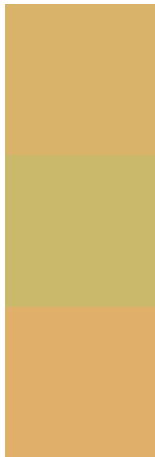


This preview shows how white text looks on a background with the Yxy color 47.8590, 0.4087, 0.4163.

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

47.8590, 0.4087, 0.4163

Protanopia

47.8991, 0.3911, 0.4243

Deuteranopia

47.9386, 0.4172, 0.4093



Tritanopia

47.8563, 0.3500, 0.3139

Trichromacy



Original Color

47.8590, 0.4087, 0.4163

Protanomaly

47.7619, 0.3977, 0.4215

Deuteranomaly

47.8570, 0.4138, 0.4114

Tritanomaly

47.4693, 0.3722, 0.3507

Monochromacy



Original Color

47.8590, 0.4087, 0.4163

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.8502, 0.3465, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8590, 0.4087, 0.4163 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(216, 179, 105)` looks like.

```
.text, #text, p{  
    color:rgb(216, 179, 105)  
}
```

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(216, 179, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 179, 105) }
```

Border

The CSS property to change the border of an element to Yxy 47.8590, 0.4087, 0.4163 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(216, 179, 105) }
```

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

```
.border{ border-color:rgb(216, 179, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 179, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 179, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 179, 105);  
box-shadow:4px 4px 4px 4px rgb(216, 179,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8590, 0.4087, 0.4163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 179, 105) }
```

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

```
.background{ background-color: rgb(216,  
179, 105) }
```

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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