

Converting Colors

$Y_{xy}(47.4528, 0.4018, 0.4285)$

Have a look what the booklet for
Yxy(47.4528, 0.4018, 0.4285)
contains.

Yxy(47.4978, 0.4012, 0.4284)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.4978, 0.4012, 0.4284)

Conversions

Conversions Part 1

Format	Color
Hex	CEB664
RGB	206, 182, 100
RGB Percent	81%, 71%, 39%
CMY	0.1922, 0.2863, 0.6076
CMYK	0.00, 0.12, 0.51, 0.19
HSL	46°, 52%, 60%
HSV	46°, 51%, 81%
XYZ	44.4821, 47.4978, 18.8927
YIQ	179.8280, 40.6260, -20.4140

Conversions

Conversions Part 2

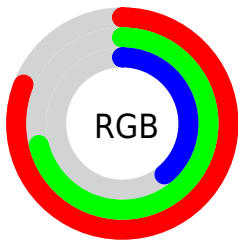
Format	Color
RYB	131, 206, 100
Decimal	13547108
CIELab	74.51, -1.92, 44.50
CIELCh	75, 44.537, 92.470
Yxy	47.4978, 0.4012, 0.4284
Android (android.graphics.Color)	4291737188 (0xFFCEB664)
YUV	179.8280, -39.3552, 22.9528
Hunter-Lab	68.9186, -5.3986, 31.9899

Details

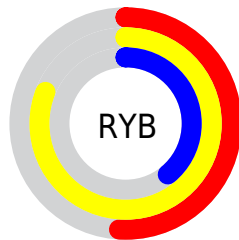
The Yxy color **47.4978, 0.4012, 0.4284** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.5928, 0.2217, 0.2027**, and the grayscale version is **45.7466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7090, 0.3790, 0.4139**, and **22.3204, 0.4217, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **45.2713, 0.4187, 0.4442**, and if you desaturate by 10%, it is **49.8932, 0.3830, 0.4102**.

Distribution



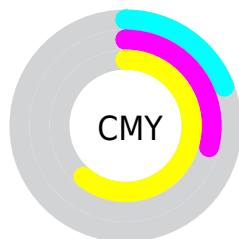
- Red (81%)
- Green (71%)
- Blue (39%)



- Red (51%)
- Yellow (81%)
- Blue (39%)



- Cyan (0%)
- Magenta (12%)
- Yellow (51%)
- Black (19%)





- Cyan (19%)
- Magenta (29%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4978, 0.4012, 0.4284 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 47.4978, 0.4012, 0.4284 by changing the saturation by 10% instead.


 47.4978, 0.4012,
0.4284


 47.4978, 0.4012,
0.4284


376.7981, 0.3589,
0.3804


 33.4294, 0.4107,
0.4393


 86.4562, 0.3865,
0.4116

 22.4556, 0.4220,
0.4525


 112.1150, 0.3808,
0.4051

 14.1920, 0.4354,
0.4684


 142.4059, 0.3759,
0.3995

 8.2543, 0.4509,
0.4871

 177.7135, 0.3716,
0.3947

 4.2581, 0.4790,
0.5210

218.4222, 0.3678,
0.3904

 1.8190, 0.4763,
0.5237

264.9162, 0.3645,

 0.4990, 0.4614,

0.3867

0.5386

317.5800, 0.3615,
0.3834

0.0000, 0.0000,
0.0000

47.4978, 0.4012,
0.4284

47.4978, 0.4012,
0.4284

45.2713, 0.4187,
0.4442

49.8932, 0.3830,
0.4102

43.1987, 0.4346,
0.4566

52.4584, 0.3648,
0.3907

41.2728, 0.4483,
0.4647

55.2026, 0.3471,
0.3706

39.4822, 0.4591,
0.4681

58.1321, 0.3304,
0.3508

38.0385, 0.4663,
0.4679

61.2531, 0.3148,
0.3317

■ 64.5711, 0.3006,
0.3135

■ 68.0915, 0.2876,
0.2966

■ 71.1691, 0.2815,
0.2907

■ 73.6415, 0.2818,
0.2958

Harmonies

Analogous

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



47.4978, 0.4327, 0.3902



47.4978, 0.4012, 0.4284



47.4978, 0.3475, 0.4420

Triad

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



47.4978, 0.4012, 0.4284



47.4978, 0.2081, 0.2966



47.4978, 0.3298, 0.2598

Complementary

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



47.4978, 0.4012, 0.4284



21.5928, 0.2217, 0.2027

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.



47.4978, 0.2695, 0.2372



47.4978, 0.4012, 0.4284



47.4978, 0.2045, 0.2531

Square

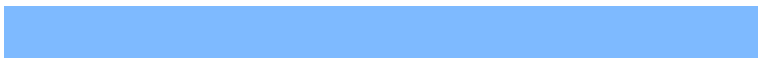
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.4978, 0.4012, 0.4284



47.4978, 0.2369, 0.3584



47.4978, 0.2256, 0.2339



47.4978, 0.3907, 0.2973

Rectangle

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



47.4978, 0.4012, 0.4284



47.4978, 0.3070, 0.4294



47.4978, 0.2256, 0.2339



47.4978, 0.3086, 0.2504

Sweetspot

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



47.5000, 0.4012, 0.4284



92.3752, 0.3365, 0.3582



23.7197, 0.4237, 0.2982



19.5550, 0.3401, 0.3624



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.



47.5000, 0.4012, 0.4284



72.8911, 0.4209, 0.4461



54.4941, 0.3632, 0.4638



12.6491, 0.3271, 0.3468



23.5765, 0.4655, 0.4686



1.3248, 0.4547, 0.4771

Inverse Universe

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



21.5928, 0.2217, 0.2027



26.4477, 0.2010, 0.1697



18.1928, 0.2383, 0.1759



11.2492, 0.2983, 0.3105



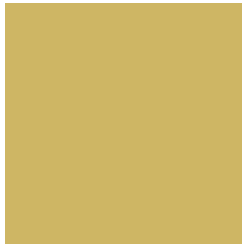
4.1002, 0.1571, 0.0854



0.3296, 0.1676, 0.1233

Previews

White Background



This preview shows how the Yxy color 47.4978, 0.4012, 0.4284 looks on a white background.

Color Contrast Check

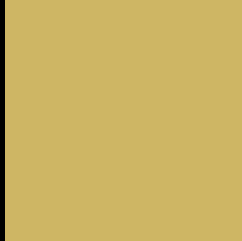
Large Text (above 18pt) WCAG AA × Fail

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 47.4978, 0.4012, 0.4284 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 47.4978, 0.4012, 0.4284

Background



This preview shows how black text looks on a background with the Yxy color 47.4978, 0.4012, 0.4284.



This preview shows how white text looks on a background with the Yxy color 47.4978, 0.4012, 0.4284.

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

47.4978, 0.4012, 0.4284

Protanopia

47.7771, 0.3956, 0.4310

Deuteranopia

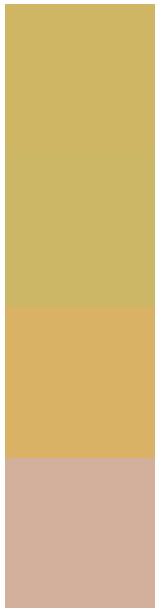
47.4665, 0.4211, 0.4123



Tritanopia

47.3464, 0.3387, 0.3124

Trichromacy



Original Color

47.4978, 0.4012, 0.4284

Protanomaly

47.5031, 0.3971, 0.4296

Deuteranomaly

47.5321, 0.4133, 0.4190

Tritanomaly

47.2661, 0.3628, 0.3550

Monochromacy



Original Color

47.4978, 0.4012, 0.4284

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.1009, 0.3445, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4978, 0.4012, 0.4284 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(206, 182, 100)` looks like.

```
.text, #text, p{  
    color:rgb(206, 182, 100)  
}
```

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(206, 182, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 182, 100) }
```

Border

The CSS property to change the border of an element to Yxy 47.4978, 0.4012, 0.4284 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(206, 182, 100) }
```

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

```
.border{ border-color:rgb(206, 182, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 182, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 182, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 182, 100);  
box-shadow:4px 4px 4px 4px rgb(206, 182,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4978, 0.4012, 0.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 182, 100) }
```

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

```
.background{ background-color: rgb(206,  
182, 100) }
```

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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