

Converting Colors

$Yxy(47.5555, 0.4108, 0.4494)$

Have a look what the booklet for
Yxy(47.5555, 0.4108, 0.4494)
contains.

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Color

Yxy(47.7275, 0.4103, 0.4494)

Conversions

Conversions Part 1

Format	Color
Hex	CCB852
RGB	204, 184, 82
RGB Percent	80%, 72%, 32%
CMY	0.1998, 0.2785, 0.6784
CMYK	0.00, 0.10, 0.60, 0.20
HSL	50°, 54%, 56%
HSV	50°, 60%, 80%
XYZ	43.5750, 47.7275, 14.9002
YIQ	178.3520, 44.6620, -27.4820

Conversions

Conversions Part 2

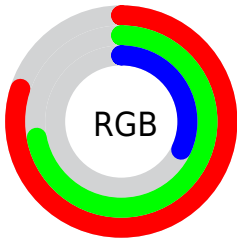
Format	Color
RYB	106, 204, 82
Decimal	13416530
CIELab	74.65, -5.20, 53.23
CIELCh	75, 53.487, 95.584
Yxy	47.7275, 0.4103, 0.4494
Android (android.graphics.Color)	4291606610 (0xFFCCB852)
YUV	178.3520, -47.5015, 22.4933
Hunter-Lab	69.0851, -8.3112, 35.5719

Details

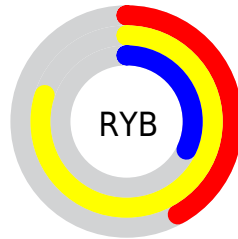
The Yxy color **47.7275, 0.4103, 0.4494** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **15.6725, 0.2037, 0.1668**, and the grayscale version is **44.9603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3294, 0.3888, 0.4322**, and **22.5195, 0.4309, 0.4766** is the 20% darker color. If you saturate the color by 10%, you get **46.0872, 0.4244, 0.4633**, and if you desaturate by 10%, it is **49.4977, 0.3945, 0.4322**.

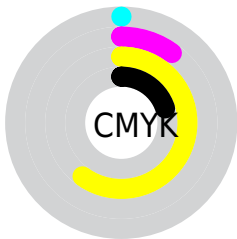
Distribution



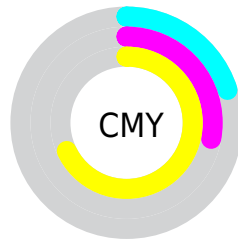
- Red (80%)
- Green (72%)
- Blue (32%)



- Red (42%)
- Yellow (80%)
- Blue (32%)



- Cyan (0%)
- Magenta (10%)
- Yellow (60%)
- Black (20%)





- Cyan (20%)
- Magenta (28%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7275, 0.4103, 0.4494 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 47.7275, 0.4103, 0.4494 by changing the saturation by 10% instead.


 47.7275, 0.4103,
0.4494


 47.7275, 0.4103,
0.4494


377.7110, 0.3650,
0.3918

 33.6111, 0.4197,
0.4620


 86.7985, 0.3951,
0.4296


 22.5950, 0.4304,
0.4769


 112.5220, 0.3890,
0.4218

 14.2948, 0.4422,
0.4942


 142.8833, 0.3837,
0.4151

 8.3260, 0.4560,
0.5158

 178.2668, 0.3790,
0.4092

 4.3042, 0.4647,
0.5353

 219.0570, 0.3749,
0.4040

 1.8452, 0.4573,
0.5427

265.6381, 0.3712,

 0.5151, 0.4131,

0.3995

0.5869

318.3946, 0.3679,
0.3955

0.0000, 0.0000,
0.0000

47.7275, 0.4103,
0.4494

47.7275, 0.4103,
0.4494

46.0872, 0.4244,
0.4633

49.4977, 0.3945,
0.4322

44.5613, 0.4362,
0.4730

51.3987, 0.3777,
0.4126

43.1418, 0.4452,
0.4782

53.4396, 0.3606,
0.3917

41.8103, 0.4518,
0.4794

55.6268, 0.3437,
0.3703

41.7850, 0.4519,
0.4794

57.9660, 0.3276,
0.3491

■ 60.4629, 0.3124,
0.3286

■ 63.1224, 0.2984,
0.3092

■ 65.9495, 0.2855,
0.2911

■ 68.2436, 0.2799,
0.2849

Harmonies

Analogous

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



47.7275, 0.4527, 0.4038



47.7275, 0.4103, 0.4494



47.7275, 0.3446, 0.4651

Triad

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



47.7275, 0.4103, 0.4494



47.7275, 0.1882, 0.2821



47.7275, 0.3404, 0.2518

Complementary

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



47.7275, 0.4103, 0.4494



15.6725, 0.2037, 0.1668

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.



47.7275, 0.2676, 0.2237



47.7275, 0.4103, 0.4494



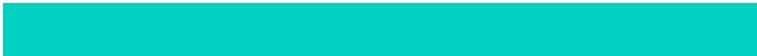
47.7275, 0.1876, 0.2350

Square

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



47.7275, 0.4103, 0.4494



47.7275, 0.2177, 0.3554



47.7275, 0.2144, 0.2168



47.7275, 0.4128, 0.2960

Rectangle

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



47.7275, 0.4103, 0.4494



47.7275, 0.2969, 0.4475



47.7275, 0.2144, 0.2168



47.7275, 0.3149, 0.2403

Sweetspot

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



47.7298, 0.4103, 0.4494



92.6693, 0.3411, 0.3669



19.8466, 0.4663, 0.3049



19.5986, 0.3460, 0.3732



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.



47.7298, 0.4103, 0.4494



75.4760, 0.4284, 0.4668



51.6423, 0.3618, 0.4877



12.7705, 0.3270, 0.3482



26.4033, 0.4513, 0.4798



1.4479, 0.4441, 0.4856

Inverse Universe

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



15.6725, 0.2037, 0.1668



17.9942, 0.1812, 0.1284



14.5865, 0.2310, 0.1528



11.1369, 0.2982, 0.3090



3.5390, 0.1542, 0.0752



0.2780, 0.1632, 0.1075

Previews

White Background



This preview shows how the Yxy color 47.7275, 0.4103, 0.4494 looks on a white background.

Color Contrast Check

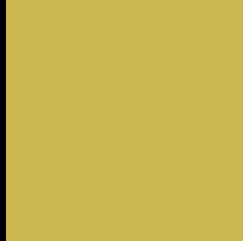
Large Text (above 18pt) WCAG AA × Fail

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 47.7275, 0.4103, 0.4494 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 47.7275, 0.4103, 0.4494

Background



This preview shows how black text looks on a background with the Yxy color 47.7275, 0.4103, 0.4494.

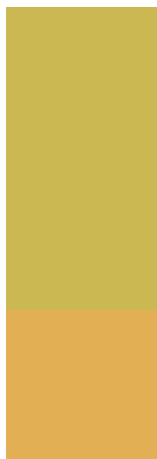


This preview shows how white text looks on a background with the Yxy color 47.7275, 0.4103, 0.4494.

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

47.7275, 0.4103, 0.4494

Protanopia

47.7275, 0.4103, 0.4494

Deuteranopia

47.6467, 0.4362, 0.4272



Tritanopia

47.5784, 0.3377, 0.3135

Trichromacy



Original Color

47.7275, 0.4103, 0.4494

Protanomaly

47.7275, 0.4103, 0.4494

Deuteranomaly

47.5410, 0.4273, 0.4347

Tritanomaly

47.2840, 0.3677, 0.3650

Monochromacy



Original Color

47.7275, 0.4103, 0.4494

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.1905, 0.3496, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7275, 0.4103, 0.4494 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(204, 184, 82)` looks like.

```
.text, #text, p{  
    color:rgb(204, 184, 82)  
}
```

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(204, 184, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 184, 82) }
```

Border

The CSS property to change the border of an element to Yxy 47.7275, 0.4103, 0.4494 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(204, 184, 82) }
```

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

```
.border{ border-color:rgb(204, 184, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 184, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 184, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 184, 82);  
box-shadow:4px 4px 4px 4px rgb(204, 184,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7275, 0.4103, 0.4494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 184, 82) }
```

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

```
.background{ background-color: rgb(204,  
184, 82) }
```

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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