

Converting Colors

$Yxy(49.8547, 0.4185, 0.4410)$

Have a look what the booklet for
Yxy(49.8547, 0.4185, 0.4410)
contains.

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Color

Yxy(49.9687, 0.4180, 0.4411)

Conversions

Conversions Part 1

Format	Color
Hex	D8B956
RGB	216, 185, 86
RGB Percent	85%, 73%, 34%
CMY	0.1529, 0.2745, 0.6626
CMYK	0.00, 0.14, 0.60, 0.15
HSL	46°, 63%, 59%
HSV	46°, 60%, 85%
XYZ	47.3519, 49.9687, 15.9614
YIQ	182.9830, 50.2550, -24.2170

Conversions

Conversions Part 2

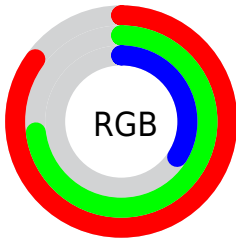
Format	Color
RYB	127, 216, 86
Decimal	14203222
CIELab	76.05, -0.40, 53.25
CIELCh	76, 53.253, 90.425
Yxy	49.9687, 0.4180, 0.4411
Android (android.graphics.Color)	4292393302 (0xFFD8B956)
YUV	182.9830, -47.8126, 28.9559
Hunter-Lab	70.6885, -4.1338, 36.0943

Details

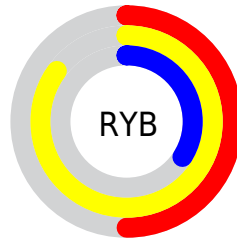
The Yxy color **49.9687, 0.4180, 0.4411** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **19.6746, 0.2058, 0.1791**, and the grayscale version is **47.5947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0347, 0.3861, 0.4294**, and **23.8814, 0.4405, 0.4649** is the 20% darker color. If you saturate the color by 10%, you get **47.5559, 0.4346, 0.4538**, and if you desaturate by 10%, it is **52.5696, 0.4000, 0.4251**.

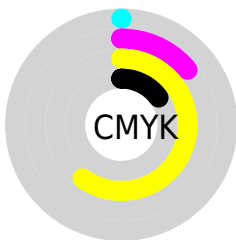
Distribution



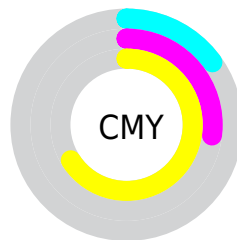
- Red (85%)
- Green (73%)
- Blue (34%)



- Red (50%)
- Yellow (85%)
- Blue (34%)



- Cyan (0%)
- Magenta (14%)
- Yellow (60%)
- Black (15%)





- Cyan (15%)
- Magenta (27%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9687, 0.4180, 0.4411 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 49.9687, 0.4180, 0.4411 by changing the saturation by 10% instead.


 49.9687, 0.4180,
0.4411

 49.9687, 0.4180,
0.4411


386.5435, 0.3689,
0.3887


 35.3885, 0.4284,
0.4522


 90.1285, 0.4014,
0.4234


 23.9623, 0.4404,
0.4651


 116.4769, 0.3948,
0.4163

 15.3057, 0.4540,
0.4798


 147.5169, 0.3890,
0.4102

 9.0342, 0.4694,
0.4964

 183.6328, 0.3840,
0.4048

 4.7635, 0.4857,
0.5143

225.2090, 0.3795,
0.4000

 2.1092, 0.4852,
0.5148

272.6299, 0.3756,

 0.6698, 0.4835,

0.3958

0.5165

326.2800, 0.3721,
0.3921

0.0000, 0.0000,
0.0000

49.9687, 0.4180,
0.4411

49.9687, 0.4180,
0.4411

47.5559, 0.4346,
0.4538

52.5696, 0.4000,
0.4251

45.3136, 0.4491,
0.4622

55.3610, 0.3814,
0.4069

43.2315, 0.4607,
0.4659

58.3536, 0.3629,
0.3875

41.3196, 0.4695,
0.4654

61.5554, 0.3452,
0.3676

64.9736, 0.3284,
0.3481

■ 68.6149, 0.3130,
0.3293

■ 72.4859, 0.2988,
0.3116

■ 76.3421, 0.2883,
0.2989

■ 79.1917, 0.2885,
0.3044

Harmonies

Analogous

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



49.9687, 0.4538, 0.3939



49.9687, 0.4180, 0.4411



49.9687, 0.3562, 0.4629

Triad

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



49.9687, 0.4180, 0.4411



49.9687, 0.1932, 0.2941



49.9687, 0.3270, 0.2470

Complementary

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



49.9687, 0.4180, 0.4411



19.6746, 0.2058, 0.1791

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.



49.9687, 0.2578, 0.2226



49.9687, 0.4180, 0.4411



49.9687, 0.1878, 0.2427

Square

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



49.9687, 0.4180, 0.4411



49.9687, 0.2273, 0.3685



49.9687, 0.2097, 0.2199



49.9687, 0.3999, 0.2884

Rectangle

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



49.9687, 0.4180, 0.4411



49.9687, 0.3094, 0.4516



49.9687, 0.2097, 0.2199



49.9687, 0.3023, 0.2367

Sweetspot

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



49.9711, 0.4180, 0.4411



90.5982, 0.3417, 0.3637



22.5839, 0.4518, 0.2919



19.0878, 0.3468, 0.3695



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.



49.9711, 0.4180, 0.4411



68.4024, 0.4385, 0.4563



59.9225, 0.3708, 0.4841



13.9943, 0.3272, 0.3467



24.6279, 0.4686, 0.4662



1.6092, 0.4583, 0.4743

Inverse Universe

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



19.6746, 0.2058, 0.1791



20.8845, 0.1851, 0.1441



15.5098, 0.2205, 0.1470



12.4850, 0.2982, 0.3107



4.5045, 0.1576, 0.0874



0.4016, 0.1669, 0.1208

Previews

White Background



This preview shows how the Yxy color 49.9687, 0.4180, 0.4411 looks on a white background.

Color Contrast Check

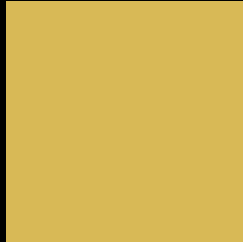
Large Text (above 18pt) WCAG AA × Fail

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 49.9687, 0.4180, 0.4411 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 49.9687, 0.4180, 0.4411

Background



This preview shows how black text looks on a background with the Yxy color 49.9687, 0.4180, 0.4411.



This preview shows how white text looks on a background with the Yxy color 49.9687, 0.4180, 0.4411.

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

49.9687, 0.4180, 0.4411

Protanopia

50.0645, 0.4080, 0.4468

Deuteranopia

50.1006, 0.4355, 0.4265



Tritanopia

49.9105, 0.3465, 0.3130

Trichromacy



Original Color

49.9687, 0.4180, 0.4411

Protanomaly

50.0777, 0.4114, 0.4445

Deuteranomaly

49.9046, 0.4293, 0.4319

Tritanomaly

49.6048, 0.3759, 0.3611

Monochromacy



Original Color

49.9687, 0.4180, 0.4411

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.0212, 0.3517, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9687, 0.4180, 0.4411 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, 185, 86)` looks like.

```
.text, #text, p{  
    color:rgb(216, 185, 86)  
}
```

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, 185, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 185, 86) }
```

Border

The CSS property to change the border of an element to Yxy 49.9687, 0.4180, 0.4411 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, 185, 86) }
```

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

```
.border{ border-color:rgb(216, 185, 86) }
```

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

Here you see how a box with a 4 pixel rgb(216, 185, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 185, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 185, 86);  
box-shadow:4px 4px 4px 4px rgb(216, 185,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9687, 0.4180, 0.4411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 185, 86) }
```

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

```
.background{ background-color: rgb(216,  
185, 86) }
```

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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