

Converting Colors

$Y_{xy}(44.9319, 0.4436, 0.4436)$

Have a look what the booklet for
Yxy(44.9319, 0.4436, 0.4436)
contains.

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Color

Yxy(44.9585, 0.4434, 0.4435)

Conversions

Conversions Part 1

Format	Color
Hex	DBAC42
RGB	219, 172, 66
RGB Percent	86%, 67%, 26%
CMY	0.1412, 0.3255, 0.7411
CMYK	0.00, 0.21, 0.70, 0.14
HSL	42°, 68%, 56%
HSV	42°, 70%, 86%
XYZ	44.9484, 44.9585, 11.4652
YIQ	173.9690, 62.0380, -23.0020

Conversions

Conversions Part 2

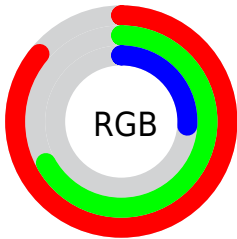
Format	Color
RYB	134, 219, 66
Decimal	14396482
CIELab	72.86, 6.51, 58.77
CIELCh	73, 59.131, 83.677
Yxy	44.9585, 0.4434, 0.4435
Android (android.graphics.Color)	4292586562 (0xFFDBAC42)
YUV	173.9690, -53.2287, 39.4922
Hunter-Lab	67.0511, 2.3198, 36.7977

Details

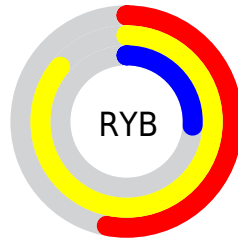
The Yxy color **44.9585, 0.4434, 0.4435** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **18.0838, 0.1931, 0.1668**, and the grayscale version is **42.5674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5301, 0.4043, 0.4351**, and **20.9065, 0.4710, 0.4642** is the 20% darker color. If you saturate the color by 10%, you get **42.2538, 0.4608, 0.4509**, and if you desaturate by 10%, it is **47.8960, 0.4241, 0.4318**.

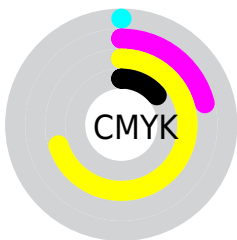
Distribution



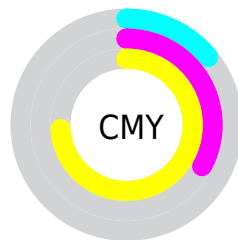
- Red (86%)
- Green (67%)
- Blue (26%)



- Red (53%)
- Yellow (86%)
- Blue (26%)



- Cyan (0%)
- Magenta (21%)
- Yellow (70%)
- Black (14%)





- Cyan (14%)
- Magenta (33%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9585, 0.4434, 0.4435 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 44.9585, 0.4434, 0.4435 by changing the saturation by 10% instead.


 44.9585, 0.4434,
0.4435

 44.9585, 0.4434,
0.4435


366.6055, 0.3819,
0.3918


 31.4247, 0.4562,
0.4534


 82.6581, 0.4227,
0.4267


 20.9225, 0.4708,
0.4641


 107.5928, 0.4144,
0.4198


 13.0674, 0.4868,
0.4747


 137.0965, 0.4072,
0.4137

 7.4749, 0.5101,
0.4899

 171.5538, 0.4008,
0.4082

 3.7609, 0.5159,
0.4841

 211.3489, 0.3952,
0.4034

 1.5407, 0.5255,
0.4745

256.8663, 0.3903,

 0.3171, 0.5921,

0.3991

0.4079

308.4903, 0.3859,
0.3953

0.0000, 0.0000,
0.0000

44.9585, 0.4434,
0.4435

44.9585, 0.4434,
0.4435

42.2538, 0.4608,
0.4509

47.8960, 0.4241,
0.4318

39.7615, 0.4753,
0.4534

51.0717, 0.4038,
0.4170

37.4609, 0.4870,
0.4514

54.4985, 0.3835,
0.4000

37.4284, 0.4872,
0.4514

58.1861, 0.3638,
0.3820

62.1435, 0.3453,
0.3638

■ 66.3791, 0.3281,
0.3459

■ 70.9008, 0.3125,
0.3288

■ 75.7163, 0.2984,
0.3127

■ 80.2990, 0.2904,
0.3057

Harmonies

Analogous

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



44.9585, 0.4768, 0.3858



44.9585, 0.4434, 0.4435



44.9585, 0.3774, 0.4811

Triad

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



44.9585, 0.4434, 0.4435



44.9585, 0.1835, 0.3049



44.9585, 0.3091, 0.2288

Complementary

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



44.9585, 0.4434, 0.4435



18.0838, 0.1931, 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.



44.9585, 0.2353, 0.2067



44.9585, 0.4434, 0.4435



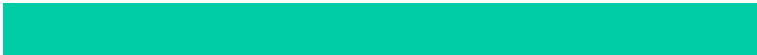
44.9585, 0.1711, 0.2400

Square

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



44.9585, 0.4434, 0.4435



44.9585, 0.2277, 0.3949



44.9585, 0.1886, 0.2089



44.9585, 0.3950, 0.2708

Rectangle

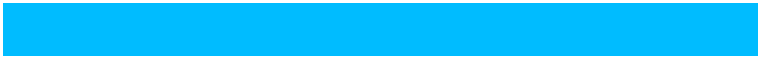
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.9585, 0.4434, 0.4435



44.9585, 0.3250, 0.4795



44.9585, 0.1886, 0.2089



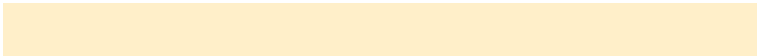
44.9585, 0.2820, 0.2190

Sweetspot

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



44.9607, 0.4434, 0.4435



86.9696, 0.3477, 0.3662



20.1829, 0.4717, 0.2782



18.2768, 0.3527, 0.3712



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.



44.9607, 0.4434, 0.4435



57.9043, 0.4682, 0.4528



62.1229, 0.3837, 0.4988



14.5538, 0.3274, 0.3451



22.3969, 0.4859, 0.4524



1.6009, 0.4725, 0.4631

Inverse Universe

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



18.0838, 0.1931, 0.1668



18.1174, 0.1737, 0.1302



11.3955, 0.1956, 0.1152



13.2662, 0.2981, 0.3123



5.6025, 0.1617, 0.1022



0.5132, 0.1708, 0.1350

Previews

White Background



This preview shows how the Yxy color 44.9585, 0.4434, 0.4435 looks on a white background.

Color Contrast Check

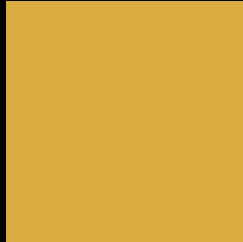
Large Text (above 18pt) WCAG AA × Fail

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 44.9585, 0.4434, 0.4435 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 44.9585, 0.4434, 0.4435

Background



This preview shows how black text looks on a background with the Yxy color 44.9585, 0.4434, 0.4435.



This preview shows how white text looks on a background with the Yxy color 44.9585, 0.4434, 0.4435.

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

44.9585, 0.4434, 0.4435

Protanopia

44.9369, 0.4186, 0.4590

Deuteranopia

44.8427, 0.4483, 0.4387



Tritanopia

44.8378, 0.3653, 0.3152

Trichromacy



Original Color

44.9585, 0.4434, 0.4435

Protanomaly

44.7213, 0.4282, 0.4531

Deuteranomaly

45.0607, 0.4465, 0.4402

Tritanomaly

44.4788, 0.3990, 0.3659

Monochromacy



Original Color

44.9585, 0.4434, 0.4435

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.5836, 0.3616, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9585, 0.4434, 0.4435 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(219, 172, 66)` looks like.

```
.text, #text, p{  
    color:rgb(219, 172, 66)  
}
```

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(219, 172, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 172, 66) }
```

Border

The CSS property to change the border of an element to Yxy 44.9585, 0.4434, 0.4435 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(219, 172, 66) }
```

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

```
.border{ border-color:rgb(219, 172, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 172, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 172, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 172, 66);  
box-shadow:4px 4px 4px 4px rgb(219, 172,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9585, 0.4434, 0.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 172, 66) }
```

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

```
.background{ background-color: rgb(219,  
172, 66) }
```

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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