

Converting Colors

$Y_{xy}(44.4370, 0.4354, 0.4336)$

Have a look what the booklet for
Yxy(44.4370, 0.4354, 0.4336)
contains.

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Color

Yxy(44.4276, 0.4350, 0.4338)

Conversions

Conversions Part 1

Format	Color
Hex	D9AB4E
RGB	217, 171, 78
RGB Percent	85%, 67%, 31%
CMY	0.1491, 0.3294, 0.6941
CMYK	0.00, 0.21, 0.64, 0.15
HSL	40°, 65%, 58%
HSV	40°, 64%, 85%
XYZ	44.5505, 44.4276, 13.4368
YIQ	174.1520, 57.2690, -19.1710

Conversions

Conversions Part 2

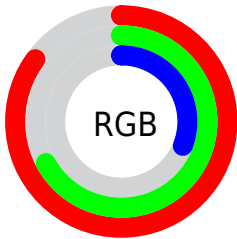
Format	Color
RYB	147, 217, 78
Decimal	14265166
CIELab	72.51, 6.87, 53.04
CIELCh	73, 53.480, 82.616
Yxy	44.4276, 0.4350, 0.4338
Android (android.graphics.Color)	4292455246 (0xFFD9AB4E)
YUV	174.1520, -47.4029, 37.5777
Hunter-Lab	66.6540, 2.6620, 34.7055

Details

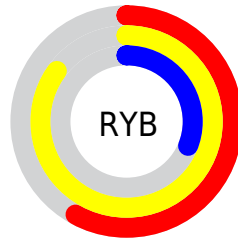
The Yxy color **44.4276, 0.4350, 0.4338** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **21.0411, 0.2035, 0.1872**, and the grayscale version is **42.6373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2644, 0.3983, 0.4247**, and **20.6305, 0.4636, 0.4542** is the 20% darker color. If you saturate the color by 10%, you get **41.5293, 0.4546, 0.4434**, and if you desaturate by 10%, it is **47.5802, 0.4142, 0.4206**.

Distribution



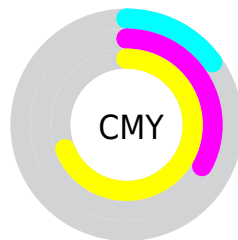
- Red (85%)
- Green (67%)
- Blue (31%)



- Red (58%)
- Yellow (85%)
- Blue (31%)



- Cyan (0%)
- Magenta (21%)
- Yellow (64%)
- Black (15%)




- Cyan (15%)
- Magenta (33%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4276, 0.4350, 0.4338 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 44.4276, 0.4350, 0.4338 by changing the saturation by 10% instead.


 44.4276, 0.4350,
0.4338

 44.4276, 0.4350,
0.4338


364.4504, 0.3764,
0.3856


 31.0068, 0.4478,
0.4436


 81.8608, 0.4149,
0.4178


 20.6040, 0.4628,
0.4544


 106.6420, 0.4069,
0.4113

 12.8349, 0.4800,
0.4659


 135.9788, 0.4000,
0.4056

 7.3149, 0.5044,
0.4817

 170.2555, 0.3941,
0.4006

 3.6598, 0.5177,
0.4823

 209.8567, 0.3888,
0.3962

 1.4852, 0.5281,
0.4719

255.1666, 0.3842,

 0.2782, 0.6084,

0.3922

0.3916

306.5697, 0.3801,
0.3887

0.0000, 0.0000,
0.0000

44.4276, 0.4350,
0.4338

44.4276, 0.4350,
0.4338

41.5293, 0.4546,
0.4434

47.5802, 0.4142,
0.4206

38.8659, 0.4719,
0.4484

50.9919, 0.3931,
0.4048

36.4244, 0.4862,
0.4483

54.6753, 0.3726,
0.3877

35.0626, 0.4935,
0.4463

58.6398, 0.3532,
0.3700

62.8943, 0.3352,
0.3525

■ 67.4473, 0.3189,
0.3356

■ 72.3066, 0.3041,
0.3196

■ 77.4797, 0.2909,
0.3047

■ 81.7387, 0.2892,
0.3089

Harmonies

Analogous

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



44.4276, 0.4629, 0.3812



44.4276, 0.4350, 0.4338



44.4276, 0.3758, 0.4668

Triad

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



44.4276, 0.4350, 0.4338



44.4276, 0.1949, 0.3107



44.4276, 0.3072, 0.2355

Complementary

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



44.4276, 0.4350, 0.4338



21.0411, 0.2035, 0.1872

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.



44.4276, 0.2400, 0.2157



44.4276, 0.4350, 0.4338



44.4276, 0.1818, 0.2498

Square

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



44.4276, 0.4350, 0.4338



44.4276, 0.2374, 0.3914



44.4276, 0.1972, 0.2191



44.4276, 0.3851, 0.2742

Rectangle

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



44.4276, 0.4350, 0.4338



44.4276, 0.3278, 0.4652



44.4276, 0.1972, 0.2191



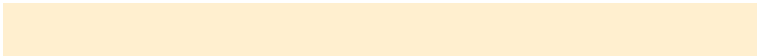
44.4276, 0.2826, 0.2265

Sweetspot

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



44.4298, 0.4350, 0.4338



87.4597, 0.3442, 0.3614



21.6638, 0.4476, 0.2771



18.3452, 0.3495, 0.3665



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.



44.4298, 0.4350, 0.4338



58.4185, 0.4613, 0.4458



61.6143, 0.3823, 0.4869



14.5002, 0.3275, 0.3446



21.4292, 0.4922, 0.4474



1.5437, 0.4774, 0.4592

Inverse Universe

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



21.0411, 0.2035, 0.1872



22.4557, 0.1837, 0.1528



13.2363, 0.2044, 0.1311



13.3174, 0.2981, 0.3129



5.9949, 0.1634, 0.1081



0.5433, 0.1725, 0.1410

Previews

White Background



This preview shows how the Yxy color 44.4276, 0.4350, 0.4338 looks on a white background.

Color Contrast Check

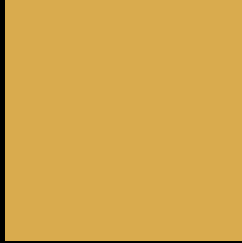
Large Text (above 18pt) WCAG AA × Fail

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 44.4276, 0.4350, 0.4338 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 44.4276, 0.4350, 0.4338

Background



This preview shows how black text looks on a background with the Yxy color 44.4276, 0.4350, 0.4338.



This preview shows how white text looks on a background with the Yxy color 44.4276, 0.4350, 0.4338.

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

44.4276, 0.4350, 0.4338

Protanopia

44.4257, 0.4102, 0.4483

Deuteranopia

44.2981, 0.4404, 0.4299



Tritanopia

44.3542, 0.3624, 0.3150

Trichromacy



Original Color

44.4276, 0.4350, 0.4338

Protanomaly

44.2036, 0.4198, 0.4427

Deuteranomaly

44.5152, 0.4386, 0.4314

Tritanomaly

44.1174, 0.3923, 0.3616

Monochromacy



Original Color

44.4276, 0.4350, 0.4338

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.6984, 0.3581, 0.3744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4276, 0.4350, 0.4338 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(217, 171, 78)` looks like.

```
.text, #text, p{  
    color:rgb(217, 171, 78)  
}
```

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(217, 171, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 171, 78) }
```

Border

The CSS property to change the border of an element to Yxy 44.4276, 0.4350, 0.4338 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(217, 171, 78) }
```

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

```
.border{ border-color:rgb(217, 171, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 171, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 171, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 171, 78);  
box-shadow:4px 4px 4px 4px rgb(217, 171,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4276, 0.4350, 0.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 171, 78) }
```

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

```
.background{ background-color: rgb(217,  
171, 78) }
```

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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