

Converting Colors

$Y_{xy}(45.4422, 0.4269, 0.4285)$

Have a look what the booklet for
Yxy(45.4422, 0.4269, 0.4285)
contains.

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Color

Yxy(45.3270, 0.4272, 0.4277)

Conversions

Conversions Part 1

Format	Color
Hex	D9AD57
RGB	217, 173, 87
RGB Percent	85%, 68%, 34%
CMY	0.1491, 0.3215, 0.6589
CMYK	0.00, 0.20, 0.60, 0.15
HSL	40°, 63%, 60%
HSV	40°, 60%, 85%
XYZ	45.2740, 45.3270, 15.3775
YIQ	176.3520, 53.8300, -17.4180

Conversions

Conversions Part 2

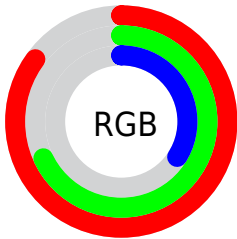
Format	Color
RYB	154, 217, 87
Decimal	14265687
CIELab	73.11, 6.41, 49.48
CIELCh	73, 49.892, 82.622
Yxy	45.3270, 0.4272, 0.4277
Android (android.graphics.Color)	4292455767 (0xFFD9AD57)
YUV	176.3520, -44.0505, 35.6483
Hunter-Lab	67.3253, 2.2159, 33.5856

Details

The Yxy color **45.3270, 0.4272, 0.4277** 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 **23.2550, 0.2106, 0.1994**, and the grayscale version is **43.8230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6109, 0.3918, 0.4182**, and **21.1730, 0.4540, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **42.2884, 0.4477, 0.4388**, and if you desaturate by 10%, it is **48.6312, 0.4059, 0.4134**.

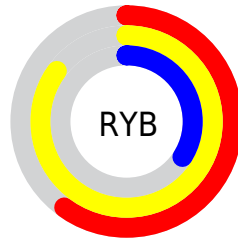
Distribution



Red (85%)

Green (68%)

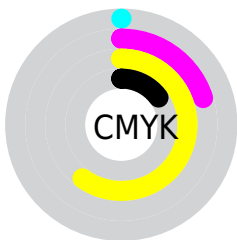
Blue (34%)



Red (60%)

Yellow (85%)

Blue (34%)

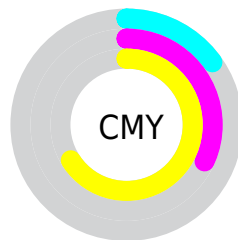


Cyan (0%)

Magenta (20%)

Yellow (60%)

Black (15%)



Cyan (15%)


Magenta (32%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3270, 0.4272, 0.4277 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 45.3270, 0.4272, 0.4277 by changing the saturation by 10% instead.

 45.3270, 0.4272,
0.4277


 45.3270, 0.4272,
0.4277


368.0963, 0.3720,
0.3818


 31.7151, 0.4395,
0.4373


 83.2109, 0.4081,
0.4123

 21.1440, 0.4542,
0.4483


 108.2516, 0.4006,
0.4061

 13.2293, 0.4714,
0.4604


 137.8708, 0.3941,
0.4007

 7.5866, 0.4927,
0.4741

 172.4527, 0.3885,
0.3959

 3.8316, 0.5153,
0.4847

212.3819, 0.3836,
0.3918

 1.5798, 0.5246,
0.4754

258.0426, 0.3793,

 0.3439, 0.5842,

0.3881

0.4158

309.8193, 0.3754,
0.3848

0.0000, 0.0000,
0.0000

45.3270, 0.4272,
0.4277

45.3270, 0.4272,
0.4277

42.2884, 0.4477,
0.4388

48.6312, 0.4059,
0.4134

39.4963, 0.4665,
0.4457

52.2054, 0.3848,
0.3971

36.9389, 0.4824,
0.4475

56.0619, 0.3645,
0.3798

34.5928, 0.4954,
0.4448

60.2102, 0.3456,
0.3623

34.5717, 0.4955,
0.4447

64.6590, 0.3283,
0.3452

■ 69.4167, 0.3126,
0.3289

■ 74.4911, 0.2985,
0.3135

■ 79.5255, 0.2891,
0.3048

■ 83.7371, 0.2894,
0.3125

Harmonies

Analogous

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



45.3270, 0.4524, 0.3790



45.3270, 0.4272, 0.4277



45.3270, 0.3723, 0.4569

Triad

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



45.3270, 0.4272, 0.4277



45.3270, 0.2026, 0.3127



45.3270, 0.3079, 0.2413

Complementary

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



45.3270, 0.4272, 0.4277



23.2550, 0.2106, 0.1994

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.



45.3270, 0.2450, 0.2227



45.3270, 0.4272, 0.4277



45.3270, 0.1899, 0.2557

Square

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



45.3270, 0.4272, 0.4277



45.3270, 0.2430, 0.3866



45.3270, 0.2045, 0.2263



45.3270, 0.3800, 0.2779

Rectangle

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



45.3270, 0.4272, 0.4277



45.3270, 0.3276, 0.4543



45.3270, 0.2045, 0.2263



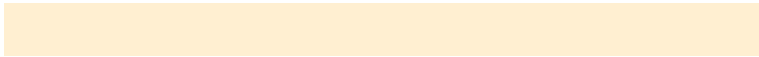
45.3270, 0.2850, 0.2328

Sweetspot

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



45.3292, 0.4272, 0.4277



87.8805, 0.3425, 0.3593



23.2428, 0.4309, 0.2766



18.4200, 0.3478, 0.3644



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.



45.3292, 0.4272, 0.4277



59.8176, 0.4531, 0.4412



62.2374, 0.3812, 0.4776



14.4834, 0.3275, 0.3444



21.1353, 0.4941, 0.4458



1.5262, 0.4789, 0.4579

Inverse Universe

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



23.2550, 0.2106, 0.1994



25.4859, 0.1909, 0.1670



14.9181, 0.2105, 0.1432



13.3334, 0.2981, 0.3131



6.1243, 0.1639, 0.1100



0.5531, 0.1731, 0.1430

Previews

White Background



This preview shows how the Yxy color 45.3270, 0.4272, 0.4277 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 45.3270, 0.4272, 0.4277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

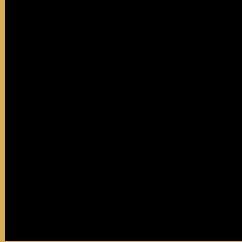
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3270, 0.4272, 0.4277

Background



This preview shows how black text looks on a background with the Yxy color 45.3270, 0.4272, 0.4277.



This preview shows how white text looks on a background with the Yxy color 45.3270, 0.4272, 0.4277.

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

45.3270, 0.4272, 0.4277

Protanopia

45.5059, 0.4038, 0.4409

Deuteranopia

45.1861, 0.4325, 0.4239



Tritanopia

45.1763, 0.3590, 0.3139

Trichromacy



Original Color

45.3270, 0.4272, 0.4277

Protanomaly

45.2707, 0.4132, 0.4356

Deuteranomaly

45.4088, 0.4308, 0.4254

Tritanomaly

45.0232, 0.3857, 0.3567

Monochromacy



Original Color

45.3270, 0.4272, 0.4277

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.7499, 0.3540, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3270, 0.4272, 0.4277 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, 173, 87)` looks like.

```
.text, #text, p{  
    color:rgb(217, 173, 87)  
}
```

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, 173, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 173, 87) }
```

Border

The CSS property to change the border of an element to Yxy 45.3270, 0.4272, 0.4277 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, 173, 87) }
```

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

```
.border{ border-color:rgb(217, 173, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 173, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 173, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 173, 87);  
box-shadow:4px 4px 4px 4px rgb(217, 173,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3270, 0.4272, 0.4277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 173, 87) }
```

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

```
.background{ background-color: rgb(217,  
173, 87) }
```

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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