

Converting Colors

$Y_{xy}(45.2413, 0.3840, 0.3649)$

Have a look what the booklet for
Yxy(45.2413, 0.3840, 0.3649)
contains.

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Color

Yxy(45.3946, 0.3843, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	D9AA8C
RGB	217, 170, 140
RGB Percent	85%, 67%, 55%
CMY	0.1491, 0.3333, 0.4510
CMYK	0.00, 0.22, 0.35, 0.15
HSL	23°, 50%, 70%
HSV	23°, 35%, 85%
XYZ	47.7165, 45.3946, 31.0536
YIQ	180.6330, 37.6420, 0.6340

Conversions

Conversions Part 2

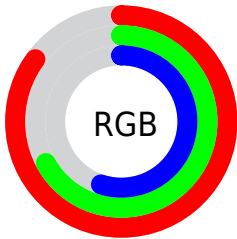
Format	Color
R _Y B	217, 189, 140
Decimal	14264972
CIE Lab	73.15, 13.12, 22.06
CIE LCh	73, 25.665, 59.268
Yxy	45.3946, 0.3843, 0.3656
Android (android.graphics.Color)	4292455052 (0xFFD9AA8C)
YUV	180.6330, -20.0321, 31.8939
Hunter-Lab	67.3755, 8.5096, 19.8359

Details

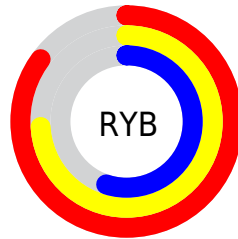
The Yxy color $45.3946, 0.3843, 0.3656$ is a light color, and the websafe version is hex $CC9966$. A complement of this color would be $46.0990, 0.2576, 0.2889$, and the grayscale version is $46.0946, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.0055, 0.3556, 0.3606$, and $21.2721, 0.4049, 0.3741$ is the 20% darker color. If you saturate the color by 10%, you get $40.1034, 0.4117, 0.3759$, and if you desaturate by 10%, it is $51.3158, 0.3602, 0.3549$.

Distribution



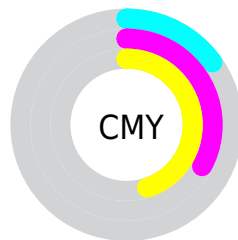
- Red (85%)
- Green (67%)
- Blue (55%)



- Red (85%)
- Yellow (74%)
- Blue (55%)



- Cyan (0%)
- Magenta (22%)
- Yellow (35%)
- Black (15%)





- Cyan (15%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3946, 0.3843, 0.3656 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 45.3946, 0.3843, 0.3656 by changing the saturation by 10% instead.


 45.3946, 0.3843,
0.3656

 45.3946, 0.3843,
0.3656


368.3694, 0.3482,
0.3482

 31.7684, 0.3933,
0.3696


 83.3122, 0.3711,
0.3596

 21.1846, 0.4049,
0.3744


 108.3724, 0.3662,
0.3572

 13.2590, 0.4203,
0.3804


 138.0127, 0.3620,
0.3552

 7.6072, 0.4413,
0.3878

172.6175, 0.3584,
0.3534

 3.8446, 0.4718,
0.3965

212.5711, 0.3554,
0.3519

 1.5870, 0.5549,
0.4334

258.2581, 0.3526,

 0.3488, 0.6514,

0.3505

0.3486

310.0627, 0.3503,
0.3493

0.0000, 0.0000,
0.0000

45.3946, 0.3843,
0.3656

45.3946, 0.3843,
0.3656

40.1034, 0.4117,
0.3759

51.3158, 0.3602,
0.3549

35.4136, 0.4420,
0.3851

57.8814, 0.3393,
0.3443

31.3038, 0.4744,
0.3919

65.1135, 0.3214,
0.3343

27.7483, 0.5072,
0.3950

73.0311, 0.3061,
0.3248

24.7194, 0.5378,
0.3934

81.6522, 0.2930,
0.3161

■ 22.1856, 0.5638,
0.3864

■ 89.9783, 0.2898,
0.3232

■ 21.1870, 0.5742,
0.3823

■ 93.4872, 0.2900,
0.3289

Harmonies

Analogous

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



45.3946, 0.3793, 0.3367



45.3946, 0.3843, 0.3656



45.3946, 0.3690, 0.3872

Triad

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



45.3946, 0.3843, 0.3656



45.3946, 0.2706, 0.3503



45.3946, 0.2841, 0.2714

Complementary

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



45.3946, 0.3843, 0.3656



46.0990, 0.2576, 0.2889

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.



45.3946, 0.2577, 0.2719



45.3946, 0.3843, 0.3656



45.3946, 0.2503, 0.3153

Square

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



45.3946, 0.3843, 0.3656



45.3946, 0.3027, 0.3803



45.3946, 0.2458, 0.2870



45.3946, 0.3196, 0.2844

Rectangle

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



45.3946, 0.3843, 0.3656



45.3946, 0.3500, 0.3937



45.3946, 0.2458, 0.2870



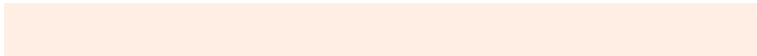
45.3946, 0.2740, 0.2700

Sweetspot

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



45.3967, 0.3843, 0.3656



87.8893, 0.3311, 0.3398



37.1081, 0.3454, 0.2727



18.5103, 0.3337, 0.3412



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.



45.3967, 0.3843, 0.3656



59.3337, 0.4057, 0.3739



61.7471, 0.3691, 0.4078



13.8804, 0.3282, 0.3382



13.0207, 0.5716, 0.3843



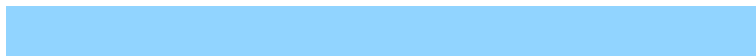
1.0080, 0.5415, 0.4083

Inverse Universe

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



46.0990, 0.2576, 0.2889



60.4727, 0.2457, 0.2783



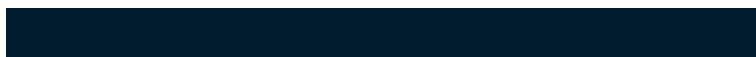
32.0685, 0.2503, 0.2355



13.9324, 0.2982, 0.3197



13.2914, 0.1879, 0.1965



1.0268, 0.1946, 0.2204

Previews

White Background



This preview shows how the Yxy color 45.3946, 0.3843, 0.3656 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 45.3946, 0.3843, 0.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

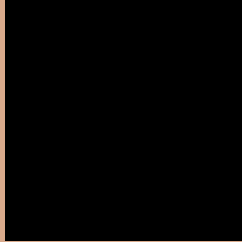
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3946, 0.3843, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 45.3946, 0.3843, 0.3656.



This preview shows how white text looks on a background with the Yxy color 45.3946, 0.3843, 0.3656.

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

45.3946, 0.3843, 0.3656

Protanopia

45.7325, 0.3525, 0.3763

Deuteranopia

45.6001, 0.3783, 0.3712



Tritanopia

45.4567, 0.3548, 0.3149

Trichromacy



Original Color

45.3946, 0.3843, 0.3656

Protanomaly

45.3132, 0.3631, 0.3714

Deuteranomaly

45.5153, 0.3806, 0.3697

Tritanomaly

45.5334, 0.3656, 0.3327

Monochromacy



Original Color

45.3946, 0.3843, 0.3656

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.6668, 0.3371, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3946, 0.3843, 0.3656 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, 170, 140)` looks like.

```
.text, #text, p{  
  color:rgb(217, 170, 140)  
}
```

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, 170, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 170, 140) }
```

Border

The CSS property to change the border of an element to Yxy 45.3946, 0.3843, 0.3656 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, 170, 140) }
```

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

```
.border{ border-color:rgb(217, 170, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 170, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 170, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 170, 140);  
box-shadow:4px 4px 4px 4px rgb(217, 170,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3946, 0.3843, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 170, 140) }
```

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

```
.background{ background-color: rgb(217,  
170, 140) }
```

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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