

Converting Colors

$Yxy(42.8581, 0.3939, 0.3644)$

Have a look what the booklet for
Yxy(42.8581, 0.3939, 0.3644)
contains.

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Color

Yxy(42.8210, 0.3941, 0.3644)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | DAA386 |
| RGB | 218, 163, 134 |
| RGB Percent | 85%, 64%, 53% |
| CMY | 0.1451, 0.3607, 0.4745 |
| CMYK | 0.00, 0.25, 0.39, 0.15 |
| HSL | 21°, 53%, 69% |
| HSV | 21°, 39%, 85% |
| XYZ | 46.3111, 42.8210, 28.3789 |
| YIQ | 176.1390, 42.0890, 2.6410 |

Conversions

Conversions Part 2

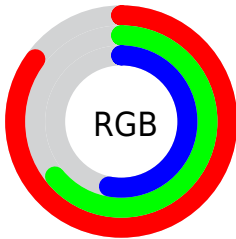
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 218, 178, 134 |
| Decimal | 14328710 |
| CIELab | 71.43, 16.58, 22.99 |
| CIELCh | 71, 28.346, 54.207 |
| Yxy | 42.8210, 0.3941, 0.3644 |
| Android (android.graphics.Color) | 4292518790 (0xFFDAA386) |
| YUV | 176.1390, -20.7745, 36.7121 |
| Hunter-Lab | 65.4378, 11.8105, 20.0937 |

Details

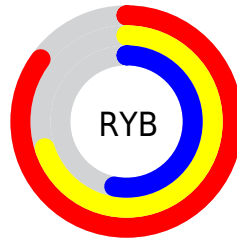
The Yxy color **42.8210, 0.3941, 0.3644** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **46.5162, 0.2537, 0.2901**, and the grayscale version is **43.5871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.9907, 0.3623, 0.3609**, and **19.5860, 0.4181, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **37.4910, 0.4237, 0.3733**, and if you desaturate by 10%, it is **48.8522, 0.3681, 0.3549**.

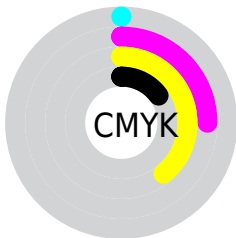
Distribution



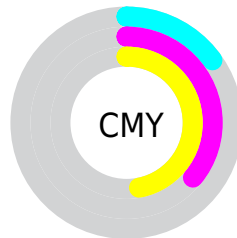
- Red (85%)
- Green (64%)
- Blue (53%)



- Red (85%)
- Yellow (70%)
- Blue (53%)



- Cyan (0%)
- Magenta (25%)
- Yellow (39%)
- Black (15%)





- Cyan (15%)
- Magenta (36%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8210, 0.3941, 0.3644 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 42.8210, 0.3941, 0.3644 by changing the saturation by 10% instead.


 42.8210, 0.3941,
0.3644

 42.8210, 0.3941,
0.3644


357.8751, 0.3526,
0.3478


 29.7447, 0.4046,
0.3681


 79.4407, 0.3789,
0.3587

 19.6449, 0.4181,
0.3725


 103.7528, 0.3732,
0.3565

 12.1372, 0.4361,
0.3777


 132.5791, 0.3684,
0.3545

 6.8372, 0.4609,
0.3838

166.3038, 0.3643,
0.3528

 3.3605, 0.4969,
0.3899

205.3113, 0.3608,
0.3514

 1.3227, 0.5849,
0.4151

249.9861, 0.3577,

 0.1587, 0.7778,

0.3500

0.2222

300.7126, 0.3550,
0.3489

0.0000, 0.0000,
0.0000

42.8210, 0.3941,
0.3644

42.8210, 0.3941,
0.3644

37.4910, 0.4237,
0.3733

48.8522, 0.3681,
0.3549

32.8295, 0.4566,
0.3808

55.6037, 0.3458,
0.3454

28.8100, 0.4914,
0.3856

63.1013, 0.3267,
0.3363

25.4014, 0.5260,
0.3865

71.3676, 0.3105,
0.3278

22.5698, 0.5574,
0.3826

80.4243, 0.2968,
0.3199

■ 20.2736, 0.5830,
0.3739

■ 89.6451, 0.2903,
0.3224

■ 19.9755, 0.5865,
0.3725

■ 93.6436, 0.2906,
0.3289

Harmonies

Analogous

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



42.8210, 0.3846, 0.3316



42.8210, 0.3941, 0.3644



42.8210, 0.3802, 0.3911

Triad

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



42.8210, 0.3941, 0.3644



42.8210, 0.2707, 0.3596



42.8210, 0.2746, 0.2637

Complementary

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



42.8210, 0.3941, 0.3644



46.5162, 0.2537, 0.2901

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.



42.8210, 0.2477, 0.2666



42.8210, 0.3941, 0.3644



42.8210, 0.2455, 0.3196

Square

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



42.8210, 0.3941, 0.3644



42.8210, 0.3080, 0.3915



42.8210, 0.2375, 0.2859



42.8210, 0.3132, 0.2759

Rectangle

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



42.8210, 0.3941, 0.3644



42.8210, 0.3604, 0.4009



42.8210, 0.2375, 0.2859



42.8210, 0.2640, 0.2629

Sweetspot

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



42.8230, 0.3941, 0.3644



86.0626, 0.3332, 0.3395



35.6717, 0.3448, 0.2632



18.1169, 0.3356, 0.3407



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.



42.8230, 0.3941, 0.3644



55.0128, 0.4171, 0.3715



59.8060, 0.3758, 0.4101



13.7833, 0.3283, 0.3371



12.1503, 0.5838, 0.3747



0.9448, 0.5522, 0.3997

Inverse Universe

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



46.5162, 0.2537, 0.2901



60.9366, 0.2424, 0.2806



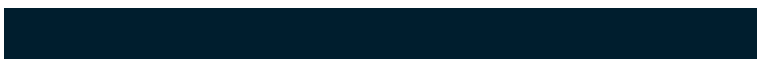
31.3095, 0.2450, 0.2319



14.0329, 0.2982, 0.3207



14.9565, 0.1923, 0.2124



1.1274, 0.1982, 0.2336

Previews

White Background



This preview shows how the Yxy color 42.8210, 0.3941, 0.3644 looks on a white background.

Color Contrast Check

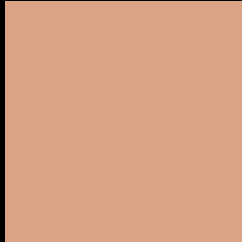
Large Text (above 18pt) WCAG AA × Fail

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 42.8210, 0.3941, 0.3644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

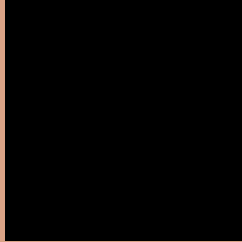
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8210, 0.3941, 0.3644

Background



This preview shows how black text looks on a background with the Yxy color 42.8210, 0.3941, 0.3644.



This preview shows how white text looks on a background with the Yxy color 42.8210, 0.3941, 0.3644.

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

42.8210, 0.3941, 0.3644

Protanopia

42.9631, 0.3536, 0.3775

Deuteranopia

42.8205, 0.3810, 0.3734



Tritanopia

42.8856, 0.3643, 0.3149

Trichromacy



Original Color

42.8210, 0.3941, 0.3644

Protanomaly

42.9377, 0.3683, 0.3733

Deuteranomaly

42.6675, 0.3858, 0.3704

Tritanomaly

42.9481, 0.3756, 0.3328

Monochromacy



Original Color

42.8210, 0.3941, 0.3644

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.7754, 0.3399, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8210, 0.3941, 0.3644 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(218, 163, 134)` looks like.

```
.text, #text, p{  
    color:rgb(218, 163, 134)  
}
```

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(218, 163, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 163, 134) }
```

Border

The CSS property to change the border of an element to Yxy 42.8210, 0.3941, 0.3644 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(218, 163, 134) }
```

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

```
.border{ border-color:rgb(218, 163, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 163, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 163, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 163, 134);  
box-shadow:4px 4px 4px 4px rgb(218, 163,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8210, 0.3941, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 163, 134) }
```

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

```
.background{ background-color: rgb(218,  
163, 134) }
```

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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