

Converting Colors

$Y_{xy}(49.8942, 0.3939, 0.3904)$

Have a look what the booklet for
Yxy(49.8942, 0.3939, 0.3904)
contains.

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Color

Yxy(50.1359, 0.3945, 0.3913)

Conversions

Conversions Part 1

Format	Color
Hex	DEB580
RGB	222, 181, 128
RGB Percent	87%, 71%, 50%
CMY	0.1294, 0.2902, 0.4979
CMYK	0.00, 0.18, 0.42, 0.13
HSL	34°, 59%, 69%
HSV	34°, 42%, 87%
XYZ	50.5459, 50.1359, 27.4447
YIQ	187.2170, 41.4490, -7.7910

Conversions

Conversions Part 2

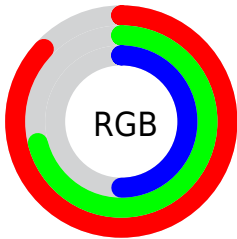
Format	Color
R _Y B	201, 222, 128
Decimal	14595456
CIE Lab	76.15, 7.88, 32.55
CIE LCh	76, 33.488, 76.388
Yxy	50.1359, 0.3945, 0.3913
Android (android.graphics.Color)	4292785536 (0xFFDEB580)
YUV	187.2170, -29.1940, 30.5047
Hunter-Lab	70.8067, 3.5118, 26.5839

Details

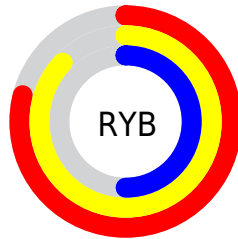
The Yxy color **50.1359, 0.3945, 0.3913** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **38.2508, 0.2433, 0.2565**, and the grayscale version is **49.9759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1646, 0.3614, 0.3854**, and **23.9877, 0.4162, 0.4056** is the 20% darker color. If you saturate the color by 10%, you get **45.8131, 0.4186, 0.4051**, and if you desaturate by 10%, it is **54.8651, 0.3719, 0.3764**.

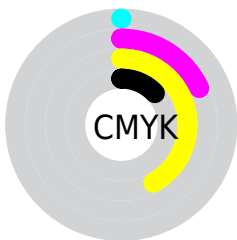
Distribution



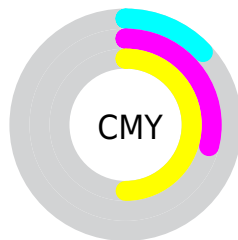
- Red (87%)
- Green (71%)
- Blue (50%)



- Red (79%)
- Yellow (87%)
- Blue (50%)



- Cyan (0%)
- Magenta (18%)
- Yellow (42%)
- Black (13%)





- Cyan (13%)
- Magenta (29%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1359, 0.3945, 0.3913 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 50.1359, 0.3945, 0.3913 by changing the saturation by 10% instead.


 50.1359, 0.3945,
0.3913

 50.1359, 0.3945,
0.3913


387.1972, 0.3544,
0.3619

 35.5214, 0.4041,
0.3980

 90.3762, 0.3802,
0.3811

 24.0648, 0.4160,
0.4060


 116.7708, 0.3748,
0.3771

 15.3817, 0.4312,
0.4159


 147.8608, 0.3701,
0.3737

 9.0877, 0.4510,
0.4279

184.0308, 0.3661,
0.3707

 4.7984, 0.4772,
0.4420

225.6650, 0.3626,
0.3681

 2.1295, 0.5288,
0.4712

273.1478, 0.3595,

 0.6811, 0.5522,

0.3658

0.4478

326.8638, 0.3568,
0.3637

0.0000, 0.0000,
0.0000

50.1359, 0.3945,
0.3913

50.1359, 0.3945,
0.3913

45.8131, 0.4186,
0.4051

54.8651, 0.3719,
0.3764

41.8757, 0.4435,
0.4167

60.0068, 0.3513,
0.3612

38.3110, 0.4681,
0.4249


65.5755, 0.3327,
0.3464

35.1022, 0.4909,
0.4286

71.5828, 0.3163,
0.3322

32.2301, 0.5106,
0.4269

78.0399, 0.3017,
0.3189

 30.2347, 0.5236,
0.4224

 84.5497, 0.2925,
0.3127

 90.3772, 0.2927,
0.3227

 94.2696, 0.2929,
0.3289

Harmonies

Analogous

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



50.1359, 0.4038, 0.3586



50.1359, 0.3945, 0.3913



50.1359, 0.3628, 0.4103

Triad

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



50.1359, 0.3945, 0.3913



50.1359, 0.2433, 0.3297



50.1359, 0.3010, 0.2651

Complementary

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



50.1359, 0.3945, 0.3913



38.2508, 0.2433, 0.2565

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.



50.1359, 0.2607, 0.2556



50.1359, 0.3945, 0.3913



50.1359, 0.2294, 0.2889

Square

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



50.1359, 0.3945, 0.3913



50.1359, 0.2754, 0.3745



50.1359, 0.2356, 0.2632



50.1359, 0.3476, 0.2888

Rectangle

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



50.1359, 0.3945, 0.3913



50.1359, 0.3342, 0.4101



50.1359, 0.2356, 0.2632



50.1359, 0.2863, 0.2602

Sweetspot

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



50.1383, 0.3945, 0.3913



89.1632, 0.3341, 0.3475



33.8899, 0.3719, 0.2792



18.7128, 0.3381, 0.3508



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.



50.1383, 0.3945, 0.3913



63.2482, 0.4163, 0.4039



68.5999, 0.3719, 0.4344



14.9762, 0.3278, 0.3422



18.1838, 0.5217, 0.4240



1.4377, 0.5016, 0.4399

Inverse Universe

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



38.2508, 0.2433, 0.2565



44.9038, 0.2283, 0.2375



25.6843, 0.2373, 0.1996



14.2222, 0.2981, 0.3154



8.4070, 0.1716, 0.1378



0.7585, 0.1800, 0.1678

Previews

White Background



This preview shows how the Yxy color 50.1359, 0.3945, 0.3913 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 50.1359, 0.3945, 0.3913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

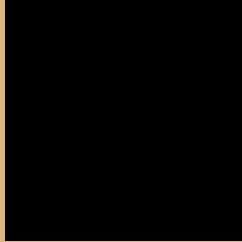
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

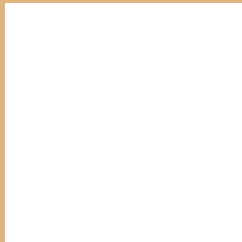
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.1359, 0.3945, 0.3913

Background



This preview shows how black text looks on a background with the Yxy color 50.1359, 0.3945, 0.3913.



This preview shows how white text looks on a background with the Yxy color 50.1359, 0.3945, 0.3913.

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

50.1359, 0.3945, 0.3913

Protanopia

50.3016, 0.3715, 0.4001

Deuteranopia

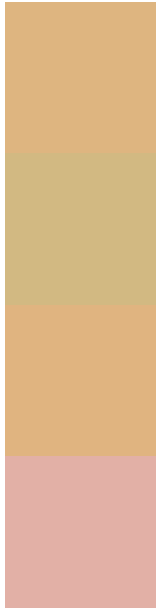
50.2086, 0.3978, 0.3896



Tritanopia

49.9690, 0.3503, 0.3131

Trichromacy



Original Color

50.1359, 0.3945, 0.3913

Protanomaly

50.0113, 0.3800, 0.3962

Deuteranomaly

50.0483, 0.3969, 0.3898

Tritanomaly

49.9726, 0.3667, 0.3408

Monochromacy



Original Color

50.1359, 0.3945, 0.3913

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.7305, 0.3410, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1359, 0.3945, 0.3913 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(222, 181, 128)` looks like.

```
.text, #text, p{  
    color:rgb(222, 181, 128)  
}
```

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(222, 181, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 181, 128) }
```

Border

The CSS property to change the border of an element to Yxy 50.1359, 0.3945, 0.3913 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(222, 181, 128) }
```

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

```
.border{ border-color:rgb(222, 181, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 181, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 181, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 181, 128);  
box-shadow:4px 4px 4px 4px rgb(222, 181,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1359, 0.3945, 0.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 181, 128) }
```

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

```
.background{ background-color: rgb(222,  
181, 128) }
```

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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