

Converting Colors

$Yxy(50.7349, 0.4449, 0.4701)$

Have a look what the booklet for
Yxy(50.7349, 0.4449, 0.4701)
contains.

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Color

Yxy(50.7939, 0.4448, 0.4702)

Conversions

Conversions Part 1

Format	Color
Hex	DEBA27
RGB	222, 186, 39
RGB Percent	87%, 73%, 15%
CMY	0.1294, 0.2706, 0.8474
CMYK	0.00, 0.16, 0.82, 0.13
HSL	48°, 74%, 51%
HSV	48°, 82%, 87%
XYZ	48.0500, 50.7939, 9.1822
YIQ	180.0060, 68.6430, -38.0850

Conversions

Conversions Part 2

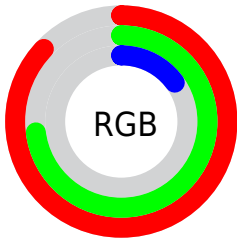
Format	Color
R _Y B	84, 222, 39
Decimal	14596647
CIE Lab	76.55, -0.63, 71.87
CIE LCh	77, 71.873, 90.502
Yxy	50.7939, 0.4448, 0.4702
Android (android.graphics.Color)	4292786727 (0xFFDEBA27)
YUV	180.0060, -69.5160, 36.8287
Hunter-Lab	71.2698, -4.3777, 42.2501

Details

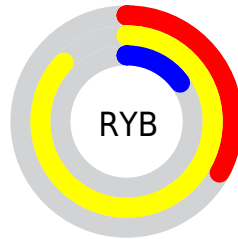
The Yxy color **50.7939, 0.4448, 0.4702** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **10.7235, 0.1694, 0.1099**, and the grayscale version is **45.9944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6651, 0.4061, 0.4623**, and **24.4564, 0.4545, 0.4773** is the 20% darker color. If you saturate the color by 10%, you get **48.8786, 0.4541, 0.4734**, and if you desaturate by 10%, it is **52.8562, 0.4326, 0.4622**.

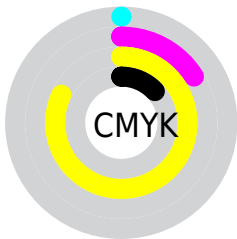
Distribution



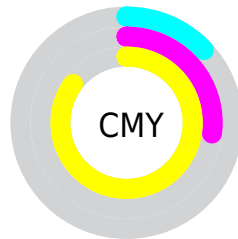
- Red (87%)
- Green (73%)
- Blue (15%)



- Red (33%)
- Yellow (87%)
- Blue (15%)



- Cyan (0%)
- Magenta (16%)
- Yellow (82%)
- Black (13%)





- Cyan (13%)
- Magenta (27%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7939, 0.4448, 0.4702 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 50.7939, 0.4448, 0.4702 by changing the saturation by 10% instead.


 50.7939, 0.4448,
0.4702

 50.7939, 0.4448,
0.4702


389.7625, 0.3873,
0.4084

 36.0446, 0.4551,
0.4813


 91.3501, 0.4267,
0.4507

 24.4687, 0.4657,
0.4929


 117.9257, 0.4191,
0.4425

 15.6816, 0.4764,
0.5047


 149.2123, 0.4122,
0.4351

 9.2992, 0.4852,
0.5148

 185.5941, 0.4061,
0.4286

 4.9368, 0.4847,
0.5153

 227.4557, 0.4006,
0.4227

 2.2102, 0.4839,
0.5161

 275.1813, 0.3957,

 0.7256, 0.4817,

0.4174

0.5183

329.1555, 0.3913,
0.4127

■ 0.0000, 0.0000,
0.0000

■ 50.7939, 0.4448,
0.4702

■ 50.7939, 0.4448,
0.4702

■ 48.8786, 0.4541,
0.4734

■ 52.8562, 0.4326,
0.4622

■ 47.5130, 0.4595,
0.4734

■ 55.0718, 0.4179,
0.4499

■ 57.4544, 0.4014,
0.4340

■ 60.0139, 0.3840,
0.4154

■ 62.7594, 0.3662,
0.3953

■ 65.6990, 0.3487,
0.3745

■ 68.8401, 0.3321,
0.3539

■ 72.1898, 0.3164,
0.3338

■ 75.7547, 0.3020,
0.3148

Harmonies

Analogous

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



50.7939, 0.4963, 0.4047



50.7939, 0.4448, 0.4702



50.7939, 0.3633, 0.5096

Triad

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



50.7939, 0.4448, 0.4702



50.7939, 0.1595, 0.2784



50.7939, 0.3301, 0.2244

Complementary

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



50.7939, 0.4448, 0.4702



10.7235, 0.1694, 0.1099

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.



50.7939, 0.2401, 0.1943



50.7939, 0.4448, 0.4702



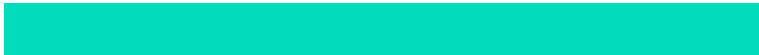
50.7939, 0.1545, 0.2148

Square

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



50.7939, 0.4448, 0.4702



50.7939, 0.1995, 0.3809



50.7939, 0.1810, 0.1895



50.7939, 0.4294, 0.2749

Rectangle

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



50.7939, 0.4448, 0.4702



50.7939, 0.3030, 0.4995



50.7939, 0.1810, 0.1895



50.7939, 0.2974, 0.2117

Sweetspot

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



50.7964, 0.4448, 0.4702



88.8139, 0.3534, 0.3802



17.4909, 0.5535, 0.3012



18.7038, 0.3596, 0.3876



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.



50.7964, 0.4448, 0.4702



65.1008, 0.4592, 0.4732



60.6167, 0.3709, 0.5297



15.5476, 0.3272, 0.3477



28.3782, 0.4588, 0.4739



2.0854, 0.4516, 0.4797

Inverse Universe

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



10.7235, 0.1694, 0.1099



9.7094, 0.1552, 0.0780



9.0901, 0.1898, 0.0932



13.6774, 0.2981, 0.3096



4.3111, 0.1555, 0.0796



0.4239, 0.1631, 0.1070

Previews

White Background



This preview shows how the Yxy color 50.7939, 0.4448, 0.4702 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 50.7939, 0.4448, 0.4702 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 50.7939, 0.4448, 0.4702

Background



This preview shows how black text looks on a background with the Yxy color 50.7939, 0.4448, 0.4702.



This preview shows how white text looks on a background with the Yxy color 50.7939, 0.4448, 0.4702.

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

50.7939, 0.4448, 0.4702

Protanopia

50.6945, 0.4338, 0.4779

Deuteranopia

50.5918, 0.4638, 0.4528



Tritanopia

50.6308, 0.3539, 0.3133

Trichromacy



Original Color

50.7939, 0.4448, 0.4702

Protanomaly

50.7186, 0.4374, 0.4752

Deuteranomaly

50.7789, 0.4562, 0.4594

Tritanomaly

50.0282, 0.3972, 0.3811

Monochromacy



Original Color

50.7939, 0.4448, 0.4702

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.6430, 0.3681, 0.3975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7939, 0.4448, 0.4702 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, 186, 39)` looks like.

```
.text, #text, p{  
    color:rgb(222, 186, 39)  
}
```

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, 186, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 186, 39) }
```

Border

The CSS property to change the border of an element to Yxy 50.7939, 0.4448, 0.4702 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, 186, 39) }
```

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

```
.border{ border-color:rgb(222, 186, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 186, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 186, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 186, 39);  
box-shadow:4px 4px 4px 4px rgb(222, 186,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7939, 0.4448, 0.4702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 186, 39) }
```

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

```
.background{ background-color: rgb(222,  
186, 39) }
```

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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