

Converting Colors

$Yxy(55.7691, 0.3830, 0.4095)$

Have a look what the booklet for
Yxy(55.7691, 0.3830, 0.4095)
contains.

Yxy(55.7639, 0.3836, 0.4099)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.7639, 0.3836, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	D9C47F
RGB	217, 196, 127
RGB Percent	85%, 77%, 50%
CMY	0.1490, 0.2313, 0.5019
CMYK	0.00, 0.10, 0.41, 0.15
HSL	46°, 54%, 67%
HSV	46°, 41%, 85%
XYZ	52.1860, 55.7639, 28.0928
YIQ	194.4130, 34.6650, -17.0070

Conversions

Conversions Part 2

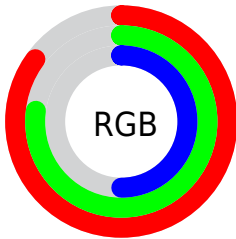
Format	Color
RYB	154, 217, 127
Decimal	14271615
CIELab	79.48, -2.12, 37.30
CIELCh	79, 37.356, 93.258
Yxy	55.7639, 0.3836, 0.4099
Android (android.graphics.Color)	4292461695 (0xFFD9C47F)
YUV	194.4130, -33.2346, 19.8088
Hunter-Lab	74.6752, -5.9389, 29.9678

Details

The Yxy color **55.7639, 0.3836, 0.4099** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.7016, 0.2406, 0.2318**, and the grayscale version is **54.3932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2170, 0.3575, 0.3991**, and **27.4449, 0.4018, 0.4295** is the 20% darker color. If you saturate the color by 10%, you get **53.0148, 0.4020, 0.4280**, and if you desaturate by 10%, it is **58.7170, 0.3652, 0.3904**.

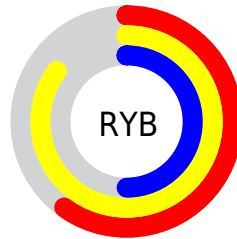
Distribution



Red (85%)

Green (77%)

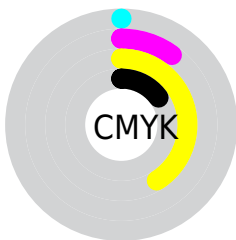
Blue (50%)



Red (60%)

Yellow (85%)

Blue (50%)

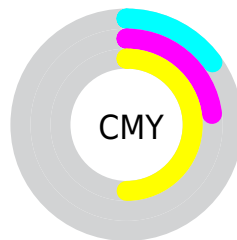


Cyan (0%)

Magenta (10%)

Yellow (41%)

Black (15%)



Cyan (15%)


Magenta (23%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7639, 0.3836, 0.4099 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 55.7639, 0.3836, 0.4099 by changing the saturation by 10% instead.

 55.7639, 0.3836,
0.4099

 55.7639, 0.3836,
0.4099


408.8011, 0.3501,
0.3713


 40.0137, 0.3912,
0.4188

 98.6593, 0.3720,
0.3964

 27.5492, 0.4005,
0.4297


 126.5732, 0.3674,
0.3912

 17.9861, 0.4118,
0.4432


 159.3105, 0.3635,
0.3867

 10.9400, 0.4259,
0.4603

197.2556, 0.3601,
0.3828

 6.0265, 0.4429,
0.4815

240.7928, 0.3571,
0.3793

 2.8612, 0.4768,
0.5232

290.3065, 0.3545,

 1.0597, 0.4727,

0.3763

0.5273

346.1811, 0.3522,
0.3737

0.0000, 0.0000,
0.0000

55.7639, 0.3836,
0.4099

55.7639, 0.3836,
0.4099

53.0148, 0.4020,
0.4280

58.7170, 0.3652,
0.3904

50.4535, 0.4198,
0.4437

61.8744, 0.3474,
0.3705

48.0728, 0.4360,
0.4559

65.2460, 0.3305,
0.3508

45.8618, 0.4499,
0.4638

68.8387, 0.3149,
0.3317

43.8078, 0.4609,
0.4670

72.6589, 0.3006,
0.3137

■ 42.1618, 0.4682,
0.4664

■ 76.5702, 0.2889,
0.2991

■ 79.3701, 0.2891,
0.3045

■ 82.2521, 0.2893,
0.3098

■ 85.2168, 0.2895,
0.3151

Harmonies

Analogous

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



55.7639, 0.4085, 0.3811



55.7639, 0.3836, 0.4099



55.7639, 0.3405, 0.4176

Triad

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



55.7639, 0.3836, 0.4099



55.7639, 0.2274, 0.3032



55.7639, 0.3282, 0.2733

Complementary

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



55.7639, 0.3836, 0.4099



30.7016, 0.2406, 0.2318

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.



55.7639, 0.2796, 0.2542



55.7639, 0.3836, 0.4099



55.7639, 0.2247, 0.2679

Square

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



55.7639, 0.3836, 0.4099



55.7639, 0.2511, 0.3513



55.7639, 0.2429, 0.2516



55.7639, 0.3759, 0.3049

Rectangle

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



55.7639, 0.3836, 0.4099



55.7639, 0.3080, 0.4064



55.7639, 0.2429, 0.2516



55.7639, 0.3114, 0.2654

Sweetspot

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



55.7665, 0.3836, 0.4099



93.7134, 0.3316, 0.3520



32.0700, 0.3933, 0.3036



19.9181, 0.3337, 0.3546



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.



55.7665, 0.3836, 0.4099



76.7951, 0.4002, 0.4262



62.4953, 0.3551, 0.4382



14.7220, 0.3273, 0.3468



25.6913, 0.4673, 0.4671



1.7920, 0.4579, 0.4746

Inverse Universe

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



30.7016, 0.2406, 0.2318



35.9666, 0.2234, 0.2062



26.7695, 0.2554, 0.2080



13.1077, 0.2981, 0.3105



4.5807, 0.1573, 0.0862



0.4292, 0.1659, 0.1172

Previews

White Background



This preview shows how the Yxy color 55.7639, 0.3836, 0.4099 looks on a white background.

Color Contrast Check

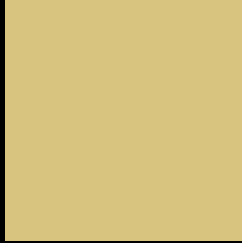
Large Text (above 18pt) WCAG AA × Fail

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 55.7639, 0.3836, 0.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

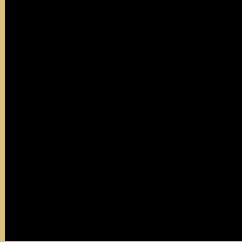
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7639, 0.3836, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 55.7639, 0.3836, 0.4099.



This preview shows how white text looks on a background with the Yxy color 55.7639, 0.3836, 0.4099.

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

55.7639, 0.3836, 0.4099

Protanopia

55.7610, 0.3805, 0.4118

Deuteranopia

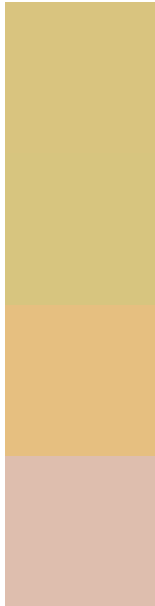
55.5559, 0.4036, 0.3942



Tritanopia

55.7652, 0.3335, 0.3132

Trichromacy



Original Color

55.7639, 0.3836, 0.4099

Protanomaly

55.9119, 0.3814, 0.4115

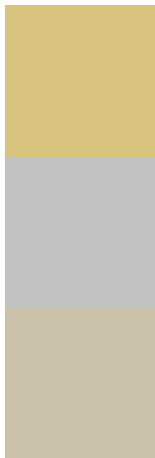
Deuteranomaly

55.6431, 0.3967, 0.4001

Tritanomaly

55.4125, 0.3525, 0.3477

Monochromacy



Original Color

55.7639, 0.3836, 0.4099

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.4890, 0.3375, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7639, 0.3836, 0.4099 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, 196, 127)` looks like.

```
.text, #text, p{  
    color:rgb(217, 196, 127)  
}
```

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, 196, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 196, 127) }
```

Border

The CSS property to change the border of an element to Yxy 55.7639, 0.3836, 0.4099 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, 196, 127) }
```

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

```
.border{ border-color:rgb(217, 196, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 196, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 196, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 196, 127);  
box-shadow:4px 4px 4px 4px rgb(217, 196,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7639, 0.3836, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 196, 127) }
```

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

```
.background{ background-color: rgb(217,  
196, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor