

Converting Colors

$Y_{xy}(56.8280, 0.3929, 0.4091)$

Have a look what the booklet for
Yxy(56.8280, 0.3929, 0.4091)
contains.

Yxy(56.6796, 0.3934, 0.4086)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.6796, 0.3934, 0.4086)

Conversions

Conversions Part 1

Format	Color
Hex	E2C37D
RGB	226, 195, 125
RGB Percent	89%, 76%, 49%
CMY	0.1139, 0.2352, 0.5098
CMYK	0.00, 0.14, 0.45, 0.11
HSL	42°, 63%, 69%
HSV	42°, 45%, 89%
XYZ	54.5711, 56.6796, 27.4659
YIQ	196.2890, 40.9460, -15.1980

Conversions

Conversions Part 2

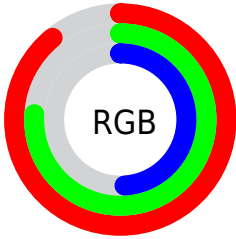
Format	Color
R_{YB}	170, 226, 125
Decimal	14861181
CIE _{Lab}	80.00, 1.78, 39.15
CIE _{LCh}	80, 39.187, 87.394
Yxy	56.6796, 0.3934, 0.4086
Android (android.graphics.Color)	4293051261 (0xFFE2C37D)
YUV	196.2890, -35.1455, 26.0565
Hunter-Lab	75.2859, -2.3642, 31.0698

Details

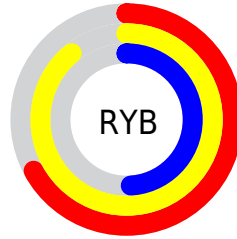
The Yxy color **56.6796, 0.3934, 0.4086** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **33.6053, 0.2361, 0.2329**, and the grayscale version is **55.5803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5090, 0.3590, 0.4002**, and **28.2754, 0.4129, 0.4281** is the 20% darker color. If you saturate the color by 10%, you get **53.1371, 0.4138, 0.4247**, and if you desaturate by 10%, it is **60.5027, 0.3733, 0.3909**.

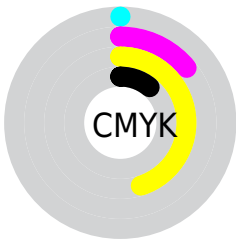
Distribution



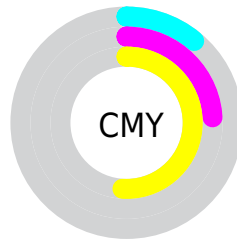
- Red (89%)
- Green (76%)
- Blue (49%)



- Red (67%)
- Yellow (89%)
- Blue (49%)



- Cyan (0%)
- Magenta (14%)
- Yellow (45%)
- Black (11%)





- Cyan (11%)
- Magenta (24%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6796, 0.3934, 0.4086 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 56.6796, 0.3934, 0.4086 by changing the saturation by 10% instead.


 56.6796, 0.3934,
0.4086


 56.6796, 0.3934,
0.4086


412.2476, 0.3552,
0.3712


 40.7481, 0.4020,
0.4170


 99.9975, 0.3801,
0.3957

 28.1223, 0.4126,
0.4271


 128.1527, 0.3750,
0.3907

 18.4179, 0.4255,
0.4394


 161.1512, 0.3705,
0.3863

 11.2504, 0.4416,
0.4544

199.3775, 0.3667,
0.3825

 6.2355, 0.4611,
0.4723

243.2158, 0.3633,
0.3792

 2.9888, 0.4959,
0.5041

293.0507, 0.3603,

 1.1259, 0.4991,

0.3762

0.5009

349.2665, 0.3576,
0.3736

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.6796, 0.3934,
0.4086

■ 56.6796, 0.3934,
0.4086

■ 53.1371, 0.4138,
0.4247

■ 60.5027, 0.3733,
0.3909

■ 49.8562, 0.4337,
0.4382


■ 64.6085, 0.3541,
0.3727


■ 46.8275, 0.4522,
0.4479


■ 69.0090, 0.3363,
0.3545


■ 44.0372, 0.4683,
0.4529

■ 73.7130, 0.3199,
0.3369

 41.4688, 0.4812,
0.4529


 78.7288, 0.3050,
0.3203

 40.1796, 0.4871,
0.4514

 83.6998, 0.2949,
0.3102

 87.7776, 0.2950,
0.3173

 92.0117, 0.2951,
0.3243

 94.9020, 0.2952,
0.3289

Harmonies

Analogous

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



56.6796, 0.4145, 0.3756



56.6796, 0.3934, 0.4086



56.6796, 0.3512, 0.4223

Triad

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



56.6796, 0.3934, 0.4086



56.6796, 0.2271, 0.3110



56.6796, 0.3184, 0.2661

Complementary

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



56.6796, 0.3934, 0.4086



33.6053, 0.2361, 0.2329

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.



56.6796, 0.2694, 0.2494



56.6796, 0.3934, 0.4086



56.6796, 0.2201, 0.2709

Square

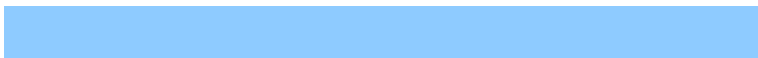
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.6796, 0.3934, 0.4086



56.6796, 0.2556, 0.3624



56.6796, 0.2348, 0.2502



56.6796, 0.3698, 0.2967

Rectangle

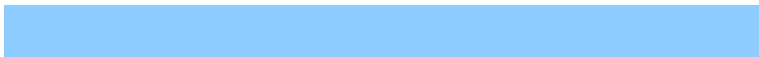
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.6796, 0.3934, 0.4086



56.6796, 0.3175, 0.4149



56.6796, 0.2348, 0.2502



56.6796, 0.3011, 0.2588

Sweetspot

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



56.6823, 0.3934, 0.4086



91.7348, 0.3335, 0.3517



33.2630, 0.3928, 0.2918



19.3494, 0.3373, 0.3556



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.



56.6823, 0.3934, 0.4086



70.0408, 0.4132, 0.4242



69.1810, 0.3645, 0.4443



15.2836, 0.3275, 0.3452



23.1510, 0.4858, 0.4525



1.7609, 0.4731, 0.4626

Inverse Universe

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



33.6053, 0.2361, 0.2329



35.9904, 0.2186, 0.2075



26.0416, 0.2428, 0.1947



13.9249, 0.2981, 0.3123



5.7634, 0.1616, 0.1018



0.5545, 0.1702, 0.1326

Previews

White Background



This preview shows how the Yxy color 56.6796, 0.3934, 0.4086 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 56.6796, 0.3934, 0.4086 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 56.6796, 0.3934, 0.4086

Background



This preview shows how black text looks on a background with the Yxy color 56.6796, 0.3934, 0.4086.



This preview shows how white text looks on a background with the Yxy color 56.6796, 0.3934, 0.4086.

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

56.6796, 0.3934, 0.4086

Protanopia

56.4935, 0.3825, 0.4134

Deuteranopia

56.6840, 0.4066, 0.3989



Tritanopia

56.6116, 0.3412, 0.3136

Trichromacy



Original Color

56.6796, 0.3934, 0.4086

Protanomaly

56.6545, 0.3865, 0.4112

Deuteranomaly

56.6981, 0.4012, 0.4023

Tritanomaly

56.2353, 0.3605, 0.3473

Monochromacy



Original Color

56.6796, 0.3934, 0.4086

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.6475, 0.3416, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6796, 0.3934, 0.4086 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(226, 195, 125)` looks like.

```
.text, #text, p{  
    color:rgb(226, 195, 125)  
}
```

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(226, 195, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 195, 125) }
```

Border

The CSS property to change the border of an element to Yxy 56.6796, 0.3934, 0.4086 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(226, 195, 125) }
```

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

```
.border{ border-color:rgb(226, 195, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 195, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 195, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 195, 125);  
box-shadow:4px 4px 4px 4px rgb(226, 195,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6796, 0.3934, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 195, 125) }
```

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

```
.background{ background-color: rgb(226,  
195, 125) }
```

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