

Converting Colors

$Y_{xy}(52.7690, 0.4055, 0.3874)$

Have a look what the booklet for
Yxy(52.7690, 0.4055, 0.3874)
contains.

Yxy(52.8737, 0.4058, 0.3882)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.8737, 0.4058, 0.3882)

Conversions

Conversions Part 1

Format	Color
Hex	ECB681
RGB	236, 182, 129
RGB Percent	93%, 71%, 51%
CMY	0.0747, 0.2862, 0.4942
CMYK	0.00, 0.23, 0.45, 0.07
HSL	30°, 74%, 72%
HSV	30°, 45%, 93%
XYZ	55.2709, 52.8737, 28.0577
YIQ	192.1040, 49.1970, -5.0350

Conversions

Conversions Part 2

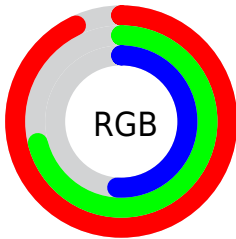
Format	Color
R _Y B	236, 234, 129
Decimal	15513217
CIE Lab	77.80, 13.03, 34.45
CIE LCh	78, 36.835, 69.288
Yxy	52.8737, 0.4058, 0.3882
Android (android.graphics.Color)	4293703297 (0xFFECB681)
YUV	192.1040, -31.1103, 38.4968
Hunter-Lab	72.7143, 8.4296, 28.0223

Details

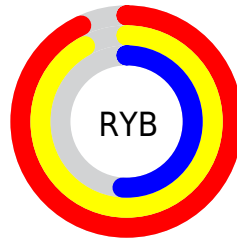
The Yxy color **52.8737, 0.4058, 0.3882** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.5542, 0.2398, 0.2599**, and the grayscale version is **52.9393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7865, 0.3605, 0.3853**, and **25.7300, 0.4298, 0.4004** is the 20% darker color. If you saturate the color by 10%, you get **47.6511, 0.4326, 0.3999**, and if you desaturate by 10%, it is **58.6603, 0.3809, 0.3751**.

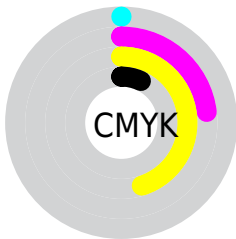
Distribution



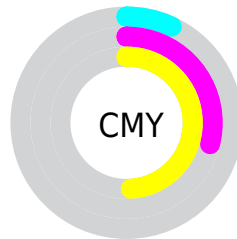
- Red (93%)
- Green (71%)
- Blue (51%)



- Red (93%)
- Yellow (92%)
- Blue (51%)



- Cyan (0%)
- Magenta (23%)
- Yellow (45%)
- Black (7%)





- Cyan (7%)
- Magenta (29%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8737, 0.4058, 0.3882 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 52.8737, 0.4058, 0.3882 by changing the saturation by 10% instead.


 52.8737, 0.4058,
0.3882

 52.8737, 0.4058,
0.3882


397.8004, 0.3605,
0.3611


 37.7020, 0.4165,
0.3940


 94.4185, 0.3897,
0.3790

 25.7514, 0.4298,
0.4009


 121.5603, 0.3836,
0.3754

 16.6378, 0.4467,
0.4090


 153.4610, 0.3783,
0.3722

 9.9766, 0.4685,
0.4184

190.5049, 0.3738,
0.3695

 5.3834, 0.4970,
0.4281

233.0763, 0.3698,
0.3670

 2.4739, 0.5514,
0.4486

281.5598, 0.3663,

 0.8635, 0.5764,

0.3648

0.4236

336.3397, 0.3632,
0.3629

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

52.8737, 0.4058,
0.3882

52.8737, 0.4058,
0.3882

47.6511, 0.4326,
0.3999

58.6603, 0.3809,
0.3751

42.9644, 0.4605,
0.4091


65.0222, 0.3585,
0.3616


38.7943, 0.4881,
0.4145


71.9800, 0.3386,
0.3483


35.1162, 0.5136,
0.4150


79.5506, 0.3211,
0.3355

 31.9022, 0.5352,
0.4098

 87.7503, 0.3059,
0.3235

 30.5455, 0.5442,
0.4061

 95.5513, 0.3011,
0.3274

 96.5652, 0.3011,
0.3290

Harmonies

Analogous

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



52.8737, 0.4094, 0.3511



52.8737, 0.4058, 0.3882



52.8737, 0.3762, 0.4138

Triad

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



52.8737, 0.4058, 0.3882



52.8737, 0.2445, 0.3413



52.8737, 0.2886, 0.2566

Complementary

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



52.8737, 0.4058, 0.3882



44.5542, 0.2398, 0.2599

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.



52.8737, 0.2487, 0.2504



52.8737, 0.4058, 0.3882



52.8737, 0.2249, 0.2946

Square

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



52.8737, 0.4058, 0.3882



52.8737, 0.2827, 0.3885



52.8737, 0.2264, 0.2628



52.8737, 0.3385, 0.2787

Rectangle

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



52.8737, 0.4058, 0.3882



52.8737, 0.3470, 0.4185



52.8737, 0.2264, 0.2628



52.8737, 0.2737, 0.2526

Sweetspot

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



52.8762, 0.4058, 0.3882



86.9590, 0.3362, 0.3466



36.9947, 0.3702, 0.2680



18.2105, 0.3403, 0.3495



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.



52.8762, 0.4058, 0.3882



57.4899, 0.4296, 0.3987



78.3537, 0.3807, 0.4385



16.2877, 0.3280, 0.3407



17.1029, 0.5417, 0.4081



1.5353, 0.5203, 0.4251

Inverse Universe

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



44.5542, 0.2398, 0.2599



46.4473, 0.2260, 0.2433



26.8918, 0.2273, 0.1894



15.8041, 0.2981, 0.3170



10.8688, 0.1776, 0.1594



1.0460, 0.1845, 0.1843

Previews

White Background



This preview shows how the Yxy color 52.8737, 0.4058, 0.3882 looks on a white background.

Color Contrast Check

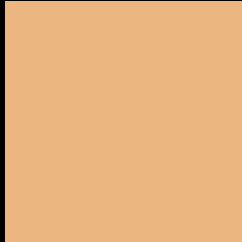
Large Text (above 18pt) WCAG AA × Fail

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 52.8737, 0.4058, 0.3882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

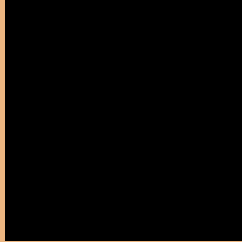
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.8737, 0.4058, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 52.8737, 0.4058, 0.3882.



This preview shows how white text looks on a background with the Yxy color 52.8737, 0.4058, 0.3882.

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

52.8737, 0.4058, 0.3882

Protanopia

52.8026, 0.3728, 0.4010

Deuteranopia

52.8549, 0.4003, 0.3914



Tritanopia

52.6037, 0.3608, 0.3138

Trichromacy



Original Color

52.8737, 0.4058, 0.3882

Protanomaly

52.5378, 0.3843, 0.3954

Deuteranomaly

52.7756, 0.4026, 0.3899

Tritanomaly

52.5850, 0.3773, 0.3403

Monochromacy



Original Color

52.8737, 0.4058, 0.3882

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.2409, 0.3449, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8737, 0.4058, 0.3882 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(236, 182, 129)` looks like.

```
.text, #text, p{  
    color:rgb(236, 182, 129)  
}
```

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(236, 182, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 182, 129) }
```

Border

The CSS property to change the border of an element to Yxy 52.8737, 0.4058, 0.3882 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(236, 182, 129) }
```

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

```
.border{ border-color:rgb(236, 182, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 182, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 182, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 182, 129);  
box-shadow:4px 4px 4px 4px rgb(236, 182,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 52.8737, 0.4058, 0.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 182, 129) }
```

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

```
.background{ background-color: rgb(236,  
182, 129) }
```

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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