

Converting Colors

$Y_{xy}(33.7859, 0.3781, 0.5043)$

Have a look what the booklet for
Yxy(33.7859, 0.3781, 0.5043)
contains.

Yxy(33.7859, 0.3781, 0.5043)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.7859, 0.3781, 0.5043)

Conversions

Conversions Part 1

Format	Color
Hex	8CA82F
RGB	140, 168, 47
RGB Percent	55%, 66%, 18%
CMY	0.4510, 0.3412, 0.8156
CMYK	0.17, 0.00, 0.72, 0.34
HSL	74°, 56%, 42%
HSV	74°, 72%, 66%
XYZ	25.3311, 33.7859, 7.8787
YIQ	145.8340, 22.1530, -43.5670

Conversions

Conversions Part 2

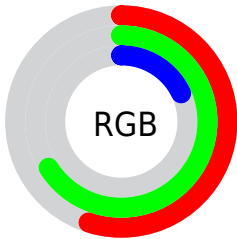
Format	Color
RYB	47, 168, 75
Decimal	9218095
CIELab	64.79, -26.48, 55.96
CIElCh	65, 61.903, 115.321
Yxy	33.7859, 0.3781, 0.5043
Android (android.graphics.Color)	4287408175 (0xFF8CA82F)
YUV	145.8340, -48.7252, -5.1164
Hunter-Lab	58.1256, -23.9299, 32.6514

Details

The Yxy color **33.7859, 0.3781, 0.5043** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.3605, 0.1997, 0.1155**, and the grayscale version is **28.8715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4507, 0.3700, 0.4702**, and **14.4692, 0.3760, 0.5396** is the 20% darker color. If you saturate the color by 10%, you get **33.3449, 0.3805, 0.5198**, and if you desaturate by 10%, it is **34.2941, 0.3732, 0.4847**.

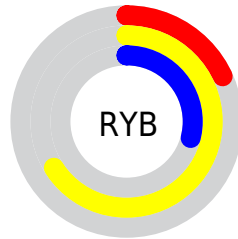
Distribution



Red (55%)

Green (66%)

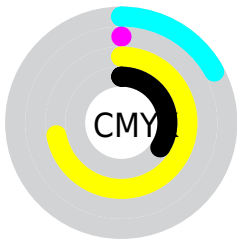
Blue (18%)



Red (18%)

Yellow (66%)

Blue (29%)

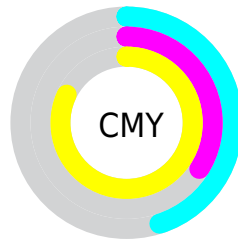


Cyan (17%)

Magenta (0%)

Yellow (72%)

Black (34%)



Cyan (45%)


Magenta (34%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7859, 0.3781, 0.5043 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 33.7859, 0.3781, 0.5043 by changing the saturation by 10% instead.


 33.7859, 0.3781,
0.5043


 33.7859, 0.3781,
0.5043


319.1763, 0.3504,
0.4115

 22.7292, 0.3816,
0.5272


 65.6006, 0.3701,
0.4703


 14.3937, 0.3834,
0.5553


 87.1273, 0.3664,
0.4575


 8.3950, 0.3845,
0.5955


 112.9129, 0.3630,
0.4467

 4.3487, 0.3681,
0.6319

 143.3416, 0.3600,
0.4375

 1.8705, 0.3278,
0.6722

 178.7979, 0.3572,
0.4296

 0.5305, 0.0000,
1.0000

 219.6662, 0.3547,

 0.0000, 0.0000,

0.4228

0.0000

266.3309, 0.3525,
0.4168

■ 33.7859, 0.3781,
0.5043

■ 33.7859, 0.3781,
0.5043

■ 33.3449, 0.3805,
0.5198

■ 34.2941, 0.3732,
0.4847

■ 32.9600, 0.3805,
0.5308

■ 34.8704, 0.3662,
0.4618

■ 32.6823, 0.3792,
0.5371

■ 35.5211, 0.3574,
0.4368

■ 36.2507, 0.3474,
0.4105

■ 37.0629, 0.3367,
0.3842

■ 37.9616, 0.3258,
0.3584

■ 38.9501, 0.3149,
0.3338

■ 40.0316, 0.3043,
0.3107

■ 41.2093, 0.2942,
0.2893

Harmonies

Analogous

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



33.7859, 0.4551, 0.4586



33.7859, 0.3781, 0.5043



33.7859, 0.2892, 0.4888

Triad

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



33.7859, 0.3781, 0.5043



33.7859, 0.1547, 0.2241



33.7859, 0.4121, 0.2658

Complementary

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



33.7859, 0.3781, 0.5043



6.3605, 0.1997, 0.1155

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.



33.7859, 0.3130, 0.2187



33.7859, 0.3781, 0.5043



33.7859, 0.1756, 0.1930

Square

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



33.7859, 0.3781, 0.5043



33.7859, 0.1654, 0.2944



33.7859, 0.2285, 0.1929



33.7859, 0.4849, 0.3263

Rectangle

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



33.7859, 0.3781, 0.5043



33.7859, 0.2346, 0.4347



33.7859, 0.2285, 0.1929



33.7859, 0.3797, 0.2482

Sweetspot

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



33.7874, 0.3781, 0.5043



67.1908, 0.3372, 0.3852



13.3280, 0.5201, 0.3637



14.5592, 0.3400, 0.3920



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.7874, 0.3781, 0.5043



60.1048, 0.3808, 0.5265



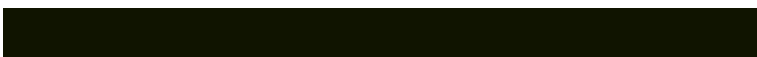
29.9752, 0.3235, 0.5406



8.6850, 0.3228, 0.3515



24.7030, 0.3796, 0.5368



0.6219, 0.3935, 0.5257

Inverse Universe

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



6.3605, 0.1997, 0.1155



7.5652, 0.1765, 0.0826



9.9091, 0.2716, 0.1506



7.3812, 0.3021, 0.3059



2.4792, 0.1640, 0.0677



0.0824, 0.1973, 0.0860

Previews

White Background



This preview shows how the Yxy color 33.7859, 0.3781, 0.5043 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 33.7859, 0.3781, 0.5043 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 33.7859, 0.3781, 0.5043

Background



This preview shows how black text looks on a background with the Yxy color 33.7859, 0.3781, 0.5043.



This preview shows how white text looks on a background with the Yxy color 33.7859, 0.3781, 0.5043.

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

33.7859, 0.3781, 0.5043

Protanopia

33.5259, 0.4272, 0.4709

Deuteranopia

33.4970, 0.4507, 0.4417



Tritanopia

33.7508, 0.2983, 0.3112

Trichromacy



Original Color

33.7859, 0.3781, 0.5043

Protanomaly

33.4657, 0.4091, 0.4833

Deuteranomaly

33.2461, 0.4245, 0.4644

Tritanomaly

33.2663, 0.3323, 0.3857

Monochromacy



Original Color

33.7859, 0.3781, 0.5043

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.1663, 0.3438, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7859, 0.3781, 0.5043 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(140, 168, 47)` looks like.

```
.text, #text, p{  
    color:rgb(140, 168, 47)  
}
```

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(140, 168, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 168, 47) }
```

Border

The CSS property to change the border of an element to Yxy 33.7859, 0.3781, 0.5043 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(140, 168, 47) }
```

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

```
.border{ border-color:rgb(140, 168, 47) }
```

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

Here you see how a box with a 4 pixel rgb(140, 168, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 168, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 168, 47);  
box-shadow:4px 4px 4px 4px rgb(140, 168,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7859, 0.3781, 0.5043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 168, 47) }
```

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

```
.background{ background-color: rgb(140,  
168, 47) }
```

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