

Converting Colors

$Y_{xy}(33.3293, 0.3829, 0.5449)$

Have a look what the booklet for
Yxy(33.3293, 0.3829, 0.5449)
contains.

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Color

Yxy(33.4953, 0.3785, 0.5377)

Conversions

Conversions Part 1

Format	Color
Hex	82AA00
RGB	130, 170, 0
RGB Percent	51%, 67%, 0%
CMY	0.4903, 0.3333, 1.0000
CMYK	0.24, 0.00, 1.00, 0.33
HSL	74°, 100%, 33%
HSV	74°, 100%, 67%
XYZ	23.5781, 33.4953, 5.2202
YIQ	138.6600, 30.7300, -61.3500

Conversions

Conversions Part 2

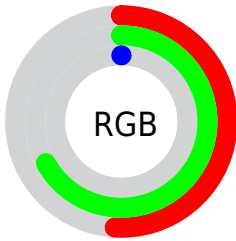
Format	Color
RYB	0, 170, 40
Decimal	8563200
CIELab	64.56, -33.07, 66.24
CIELCh	65, 74.038, 116.533
Yxy	33.4953, 0.3785, 0.5377
Android (android.graphics.Color)	4286753280 (0xFF82AA00)
YUV	138.6600, -68.3594, -7.5948
Hunter-Lab	57.8751, -28.5611, 35.1648

Details

The Yxy color **33.4953, 0.3785, 0.5377** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.3543, 0.1635, 0.0674**, and the grayscale version is **25.9396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9232, 0.3739, 0.4985**, and **14.4527, 0.3590, 0.5531** is the 20% darker color. If you saturate the color by 10%, you get **33.4969, 0.3785, 0.5377**, and if you desaturate by 10%, it is **33.8601, 0.3801, 0.5295**.

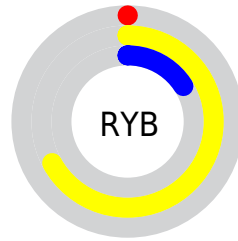
Distribution



Red (51%)

Green (67%)

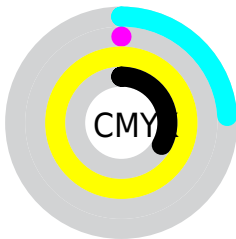
Blue (0%)



Red (0%)

Yellow (67%)

Blue (16%)

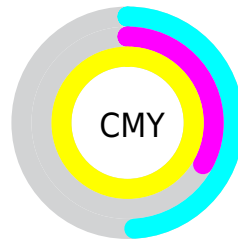


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (33%)



Cyan (49%)


Magenta (33%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4953, 0.3785, 0.5377 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 33.4953, 0.3785, 0.5377 by changing the saturation by 10% instead.

 33.4953, 0.3785,
0.5377


 33.4953, 0.3785,
0.5377


317.8757, 0.3547,
0.4284

 22.5061, 0.3789,
0.5631


 65.1480, 0.3734,
0.4985

 14.2293, 0.3757,
0.5935


 86.5804, 0.3703,
0.4834

 8.2803, 0.3671,
0.6329


 112.2627, 0.3673,
0.4707

 4.2748, 0.3363,
0.6637

 142.5792, 0.3643,
0.4597

 1.8285, 0.2838,
0.7162

 177.9143, 0.3616,
0.4503

 0.5048, 0.0000,
1.0000

 218.6526, 0.3591,

 0.0000, 0.0000,

0.4420

0.0000

265.1782, 0.3568,
0.4348

33.4953, 0.3785,
0.5377

33.4953, 0.3785,
0.5377

33.4969, 0.3785,
0.5377

33.8601, 0.3801,
0.5295

34.2703, 0.3797,
0.5175

34.7415, 0.3769,
0.5011

35.2803, 0.3716,
0.4807

35.8921, 0.3642,
0.4572

■ 36.5818, 0.3553,
0.4318

■ 37.3538, 0.3452,
0.4054

■ 38.2121, 0.3344,
0.3790

■ 39.1604, 0.3235,
0.3534

Harmonies

Analogous

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



33.4953, 0.4705, 0.4764



33.4953, 0.3785, 0.5377



33.4953, 0.2763, 0.5232

Triad

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



33.4953, 0.3785, 0.5377



33.4953, 0.1323, 0.2026



33.4953, 0.4355, 0.2569

Complementary

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



33.4953, 0.3785, 0.5377



3.3543, 0.1635, 0.0674

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.



33.4953, 0.3162, 0.2036



33.4953, 0.3785, 0.5377



33.4953, 0.1568, 0.1715

Square

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



33.4953, 0.3785, 0.5377



33.4953, 0.1411, 0.2801



33.4953, 0.2169, 0.1737



33.4953, 0.5200, 0.3240

Rectangle

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



33.4953, 0.3785, 0.5377



33.4953, 0.2147, 0.4535



33.4953, 0.2169, 0.1737



33.4953, 0.3964, 0.2370

Sweetspot

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



33.4969, 0.3785, 0.5377



67.6870, 0.3457, 0.4068



10.0423, 0.6102, 0.3537



14.9632, 0.3500, 0.4177



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.4969, 0.3785, 0.5377



60.6662, 0.3778, 0.5383



29.3182, 0.3117, 0.5907



8.6835, 0.3227, 0.3516



24.6643, 0.3789, 0.5373



0.6212, 0.3931, 0.5261

Inverse Universe

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



3.3543, 0.1635, 0.0674



6.0022, 0.1622, 0.0667



7.2380, 0.2547, 0.1177



7.3826, 0.3021, 0.3059



2.4892, 0.1644, 0.0679



0.0829, 0.1980, 0.0864

Previews

White Background



This preview shows how the Yxy color 33.4953, 0.3785, 0.5377 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 33.4953, 0.3785, 0.5377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

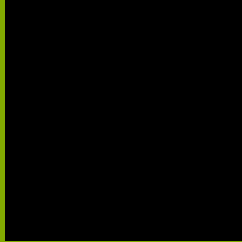
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4953, 0.3785, 0.5377

Background



This preview shows how black text looks on a background with the Yxy color 33.4953, 0.3785, 0.5377.



This preview shows how white text looks on a background with the Yxy color 33.4953, 0.3785, 0.5377.

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

33.4953, 0.3785, 0.5377

Protanopia

33.3440, 0.4396, 0.4892

Deuteranopia

33.1491, 0.4644, 0.4546



Tritanopia

33.4137, 0.2894, 0.3094

Trichromacy



Original Color

33.4953, 0.3785, 0.5377

Protanomaly

33.2116, 0.4161, 0.5078

Deuteranomaly

32.7117, 0.4340, 0.4854

Tritanomaly

32.5202, 0.3381, 0.4150

Monochromacy



Original Color

33.4953, 0.3785, 0.5377

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.7515, 0.3568, 0.4339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4953, 0.3785, 0.5377 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(130, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 170, 0)  
}
```

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(130, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 170, 0) }
```

Border

The CSS property to change the border of an element to Yxy 33.4953, 0.3785, 0.5377 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(130, 170, 0) }
```

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

```
.border{ border-color:rgb(130, 170, 0) }
```

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

Here you see how a box with a 4 pixel rgb(130, 170, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 170,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4953, 0.3785, 0.5377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 170, 0) }
```

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

```
.background{ background-color: rgb(130,  
170, 0) }
```

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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