

Converting Colors

$Y_{xy}(33.4897, 0.3750, 0.5113)$

Have a look what the booklet for
Yxy(33.4897, 0.3750, 0.5113)
contains.

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Color

Yxy(33.3306, 0.3747, 0.5113)

Conversions

Conversions Part 1

Format	Color
Hex	87A82B
RGB	135, 168, 43
RGB Percent	53%, 66%, 17%
CMY	0.4707, 0.3411, 0.8314
CMYK	0.20, 0.00, 0.74, 0.34
HSL	76°, 59%, 41%
HSV	76°, 74%, 66%
XYZ	24.4259, 33.3306, 7.4314
YIQ	143.8830, 20.4570, -45.8710

Conversions

Conversions Part 2

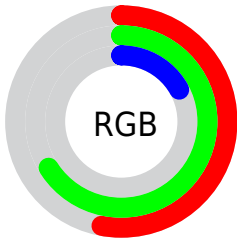
Format	Color
RYB	43, 168, 76
Decimal	8890411
CIELab	64.43, -28.78, 56.93
CIELCh	64, 63.797, 116.819
Yxy	33.3306, 0.3747, 0.5113
Android (android.graphics.Color)	4287080491 (0xFF87A82B)
YUV	143.8830, -49.7353, -7.7904
Hunter-Lab	57.7327, -25.5112, 32.7810

Details

The Yxy color **33.3306, 0.3747, 0.5113** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.0943, 0.1997, 0.1115**, and the grayscale version is **28.0364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7336, 0.3676, 0.4752**, and **14.2401, 0.3690, 0.5452** is the 20% darker color. If you saturate the color by 10%, you get **32.8725, 0.3760, 0.5264**, and if you desaturate by 10%, it is **33.8579, 0.3709, 0.4919**.

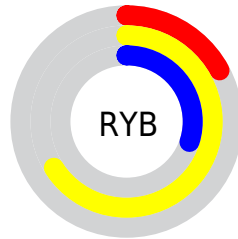
Distribution



Red (53%)

Green (66%)

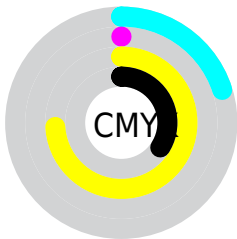
Blue (17%)



Red (17%)

Yellow (66%)

Blue (30%)

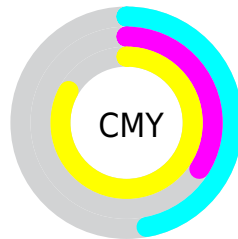


Cyan (20%)

Magenta (0%)

Yellow (74%)

Black (34%)



Cyan (47%)


Magenta (34%)


Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3306, 0.3747, 0.5113 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 33.3306, 0.3747, 0.5113 by changing the saturation by 10% instead.


 33.3306, 0.3747,
0.5113


 33.3306, 0.3747,
0.5113


317.1368, 0.3493,
0.4143


 22.3798, 0.3774,
0.5353


 64.8913, 0.3678,
0.4756


 14.1363, 0.3778,
0.5648


 86.2701, 0.3644,
0.4623


 8.2155, 0.3782,
0.6093


 111.8936, 0.3612,
0.4510

 4.2331, 0.3561,
0.6439

 142.1463, 0.3584,
0.4414

 1.8048, 0.3112,
0.6888

 177.4126, 0.3558,
0.4332

 0.4902, 0.0000,
1.0000

 218.0768, 0.3534,

 0.0000, 0.0000,

0.4261

0.0000

264.5235, 0.3512,
0.4198

■ 33.3306, 0.3747,
0.5113

■ 33.3306, 0.3747,
0.5113

■ 32.8725, 0.3760,
0.5264

■ 33.8579, 0.3709,
0.4919

■ 32.4721, 0.3748,
0.5368

■ 34.4556, 0.3650,
0.4691

■ 32.2647, 0.3736,
0.5416

■ 35.1302, 0.3572,
0.4439

■ 35.8863, 0.3480,
0.4175

■ 36.7278, 0.3380,
0.3907

■ 37.6587, 0.3277,
0.3646

■ 38.6824, 0.3172,
0.3395

■ 39.8023, 0.3071,
0.3161

■ 41.0215, 0.2973,
0.2944

Harmonies

Analogous

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



33.3306, 0.4553, 0.4647



33.3306, 0.3747, 0.5113



33.3306, 0.2833, 0.4922

Triad

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



33.3306, 0.3747, 0.5113



33.3306, 0.1508, 0.2181



33.3306, 0.4203, 0.2666

Complementary

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



33.3306, 0.3747, 0.5113



6.0943, 0.1997, 0.1115

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.



33.3306, 0.3178, 0.2176



33.3306, 0.3747, 0.5113



33.3306, 0.1737, 0.1885

Square

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



33.3306, 0.3747, 0.5113



33.3306, 0.1598, 0.2880



33.3306, 0.2294, 0.1900



33.3306, 0.4931, 0.3288

Rectangle

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



33.3306, 0.3747, 0.5113



33.3306, 0.2279, 0.4336



33.3306, 0.2294, 0.1900



33.3306, 0.3870, 0.2483

Sweetspot

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



33.3321, 0.3747, 0.5113



66.9620, 0.3360, 0.3854



13.4324, 0.5240, 0.3694



14.5041, 0.3386, 0.3922



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.



33.3321, 0.3747, 0.5113



59.1780, 0.3755, 0.5334



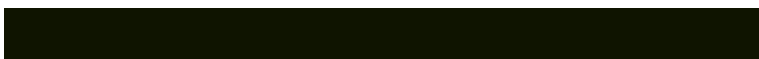
29.6503, 0.3199, 0.5487



8.6726, 0.3223, 0.3516



24.3869, 0.3741, 0.5412



0.6162, 0.3899, 0.5287

Inverse Universe

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



6.0943, 0.1997, 0.1115



7.3138, 0.1767, 0.0802



9.8537, 0.2757, 0.1492



7.3929, 0.3026, 0.3059



2.5683, 0.1675, 0.0696



0.0867, 0.2032, 0.0893

Previews

White Background



This preview shows how the Yxy color 33.3306, 0.3747, 0.5113 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 33.3306, 0.3747, 0.5113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

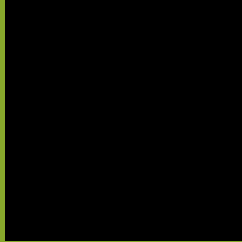
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3306, 0.3747, 0.5113

Background



This preview shows how black text looks on a background with the Yxy color 33.3306, 0.3747, 0.5113.



This preview shows how white text looks on a background with the Yxy color 33.3306, 0.3747, 0.5113.

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

33.3306, 0.3747, 0.5113

Protanopia

33.0441, 0.4291, 0.4734

Deuteranopia

33.0209, 0.4526, 0.4436



Tritanopia

33.2744, 0.2937, 0.3110

Trichromacy



Original Color

33.3306, 0.3747, 0.5113

Protanomaly

32.7753, 0.4086, 0.4876

Deuteranomaly

32.5403, 0.4240, 0.4679

Tritanomaly

32.7594, 0.3291, 0.3899

Monochromacy



Original Color

33.3306, 0.3747, 0.5113

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.5067, 0.3437, 0.4052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3306, 0.3747, 0.5113 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(135, 168, 43)` looks like.

```
.text, #text, p{  
    color:rgb(135, 168, 43)  
}
```

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(135, 168, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 168, 43) }
```

Border

The CSS property to change the border of an element to Yxy 33.3306, 0.3747, 0.5113 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(135, 168, 43) }
```

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

```
.border{ border-color:rgb(135, 168, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 168, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 168, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 168, 43);  
box-shadow:4px 4px 4px 4px rgb(135, 168,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3306, 0.3747, 0.5113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 168, 43) }
```

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

```
.background{ background-color: rgb(135,  
168, 43) }
```

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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