

Converting Colors

$Y_{xy}(33.5798, 0.3594, 0.4724)$

Have a look what the booklet for
Yxy(33.5798, 0.3594, 0.4724)
contains.

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Color

Yxy(33.4776, 0.3589, 0.4723)

Conversions

Conversions Part 1

Format	Color
Hex	89A74C
RGB	137, 167, 76
RGB Percent	54%, 65%, 30%
CMY	0.4628, 0.3451, 0.7018
CMYK	0.18, 0.00, 0.54, 0.35
HSL	80°, 37%, 48%
HSV	80°, 54%, 65%
XYZ	25.4396, 33.4776, 11.9649
YIQ	147.6560, 11.3310, -34.6610

Conversions

Conversions Part 2

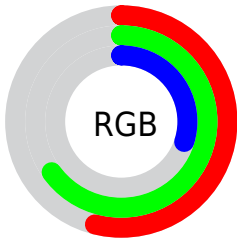
Format	Color
RYB	76, 167, 106
Decimal	9021260
CIELab	64.55, -24.95, 43.08
CIELCh	65, 49.782, 120.084
Yxy	33.4776, 0.3589, 0.4723
Android (android.graphics.Color)	4287211340 (0xFF89A74C)
YUV	147.6560, -35.3264, -9.3453
Hunter-Lab	57.8598, -22.7726, 28.2412

Details

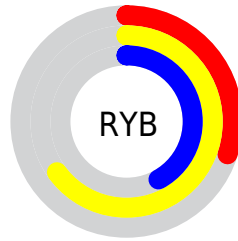
The Yxy color **33.4776, 0.3589, 0.4723** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.0316, 0.2408, 0.1713**, and the grayscale version is **29.6112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9813, 0.3527, 0.4434**, and **14.2629, 0.3661, 0.5194** is the 20% darker color. If you saturate the color by 10%, you get **32.8222, 0.3637, 0.4964**, and if you desaturate by 10%, it is **34.2201, 0.3523, 0.4460**.

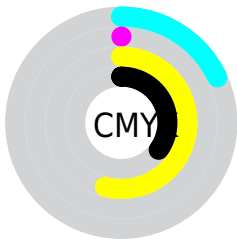
Distribution



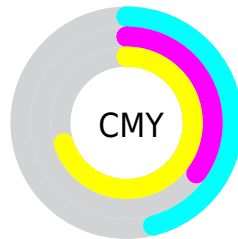
- Red (54%)
- Green (65%)
- Blue (30%)



- Red (30%)
- Yellow (65%)
- Blue (42%)



- Cyan (18%)
- Magenta (0%)
- Yellow (54%)
- Black (35%)




- Cyan (46%)
- Magenta (35%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4776, 0.3589, 0.4723 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 33.4776, 0.3589, 0.4723 by changing the saturation by 10% instead.


 33.4776, 0.3589,
0.4723


 33.4776, 0.3589,
0.4723

317.7964, 0.3382,
0.3946

 22.4926, 0.3624,
0.4930


 65.1205, 0.3524,
0.4429

 14.2193, 0.3655,
0.5198


 86.5471, 0.3496,
0.4322


 8.2733, 0.3664,
0.5553


 112.2230, 0.3471,
0.4233

 4.2703, 0.3745,
0.6255

 142.5327, 0.3449,
0.4158

 1.8259, 0.3360,
0.6640

 177.8605, 0.3429,
0.4093

 0.5032, 0.0000,
1.0000

218.5907, 0.3412,

 0.0000, 0.0000,

0.4038

0.0000

265.1079, 0.3396,
0.3989

■ 33.4776, 0.3589,
0.4723

■ 33.4776, 0.3589,
0.4723

■ 32.8222, 0.3637,
0.4964

■ 34.2201, 0.3523,
0.4460

■ 32.2443, 0.3664,
0.5170

■ 35.0497, 0.3443,
0.4187

■ 31.7395, 0.3666,
0.5334

■ 35.9723, 0.3354,
0.3914

■ 31.3008, 0.3645,
0.5449

■ 36.9917, 0.3262,
0.3649

■ 31.0775, 0.3627,
0.5502

■ 38.1115, 0.3168,
0.3397

■ 39.3352, 0.3077,
0.3163

■ 40.6660, 0.2989,
0.2947

■ 42.1071, 0.2905,
0.2750

■ 43.6613, 0.2827,
0.2572

Harmonies

Analogous

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



33.4776, 0.4246, 0.4470



33.4776, 0.3589, 0.4723



33.4776, 0.2848, 0.4462

Triad

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



33.4776, 0.3589, 0.4723



33.4776, 0.1806, 0.2374



33.4776, 0.4050, 0.2851

Complementary

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



33.4776, 0.3589, 0.4723



11.0316, 0.2408, 0.1713

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.



33.4776, 0.3267, 0.2419



33.4776, 0.3589, 0.4723



33.4776, 0.2032, 0.2136

Square

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



33.4776, 0.3589, 0.4723



33.4776, 0.1864, 0.2919



33.4776, 0.2534, 0.2165



33.4776, 0.4575, 0.3389

Rectangle

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



33.4776, 0.3589, 0.4723



33.4776, 0.2406, 0.3998



33.4776, 0.2534, 0.2165



33.4776, 0.3802, 0.2691

Sweetspot

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



33.4791, 0.3589, 0.4723



65.9001, 0.3279, 0.3696



18.8097, 0.4421, 0.3733



14.6650, 0.3297, 0.3748



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.



33.4791, 0.3589, 0.4723



58.5924, 0.3644, 0.5002



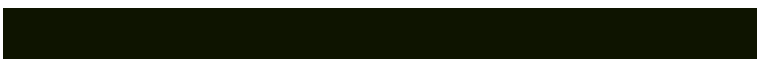
30.4738, 0.3174, 0.4933



8.6480, 0.3213, 0.3516



23.8068, 0.3633, 0.5498



0.6053, 0.3826, 0.5344

Inverse Universe

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



11.0316, 0.2408, 0.1713



14.3097, 0.2215, 0.1370



14.4794, 0.2965, 0.1934



7.4163, 0.3035, 0.3060



2.7829, 0.1757, 0.0741



0.0954, 0.2147, 0.0956

Previews

White Background



This preview shows how the Yxy color 33.4776, 0.3589, 0.4723 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 33.4776, 0.3589, 0.4723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

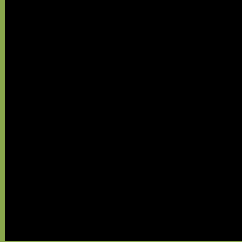
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4776, 0.3589, 0.4723

Background



This preview shows how black text looks on a background with the Yxy color 33.4776, 0.3589, 0.4723.



This preview shows how white text looks on a background with the Yxy color 33.4776, 0.3589, 0.4723.

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

33.4776, 0.3589, 0.4723

Protanopia

33.1422, 0.4067, 0.4445

Deuteranopia

33.2954, 0.4263, 0.4178



Tritanopia

33.4058, 0.2938, 0.3095

Trichromacy



Original Color

33.4776, 0.3589, 0.4723

Protanomaly

33.1096, 0.3888, 0.4549

Deuteranomaly

33.1121, 0.4009, 0.4379

Tritanomaly

33.2871, 0.3195, 0.3684

Monochromacy



Original Color

33.4776, 0.3589, 0.4723

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.7771, 0.3323, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4776, 0.3589, 0.4723 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(137, 167, 76)` looks like.

```
.text, #text, p{  
    color:rgb(137, 167, 76)  
}
```

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(137, 167, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 167, 76) }
```

Border

The CSS property to change the border of an element to Yxy 33.4776, 0.3589, 0.4723 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(137, 167, 76) }
```

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

```
.border{ border-color:rgb(137, 167, 76) }
```

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

Here you see how a box with a 4 pixel rgb(137, 167, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 167, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 167, 76);  
box-shadow:4px 4px 4px 4px rgb(137, 167,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4776, 0.3589, 0.4723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 167, 76) }
```

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

```
.background{ background-color: rgb(137,  
167, 76) }
```

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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