

Converting Colors

$Y_{xy}(33.7580, 0.3885, 0.4704)$

Have a look what the booklet for
Yxy(33.7580, 0.3885, 0.4704)
contains.

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Color

Yxy(33.6557, 0.3880, 0.4698)

Conversions

Conversions Part 1

Format	Color
Hex	9CA342
RGB	156, 163, 66
RGB Percent	61%, 64%, 26%
CMY	0.3881, 0.3608, 0.7411
CMYK	0.04, 0.00, 0.60, 0.36
HSL	64°, 42%, 45%
HSV	64°, 60%, 64%
XYZ	27.7957, 33.6557, 10.1870
YIQ	149.8490, 26.9650, -31.6510

Conversions

Conversions Part 2

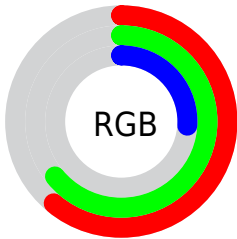
Format	Color
RYB	66, 163, 73
Decimal	10265410
CIELab	64.69, -15.91, 48.32
CIELCh	65, 50.876, 108.227
Yxy	33.6557, 0.3880, 0.4698
Android (android.graphics.Color)	4288455490 (0xFF9CA342)
YUV	149.8490, -41.3376, 5.3944
Hunter-Lab	58.0135, -16.0000, 30.1984

Details

The Yxy color **33.6557, 0.3880, 0.4698** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **7.9576, 0.2061, 0.1451**, and the grayscale version is **30.6051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4479, 0.3755, 0.4428**, and **14.2134, 0.4028, 0.5106** is the 20% darker color. If you saturate the color by 10%, you get **33.3753, 0.3963, 0.4870**, and if you desaturate by 10%, it is **33.9951, 0.3776, 0.4492**.

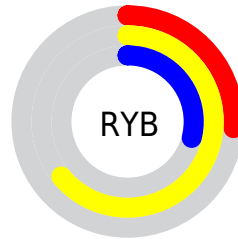
Distribution



Red (61%)

Green (64%)

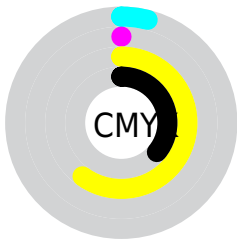
Blue (26%)



Red (26%)

Yellow (64%)

Blue (29%)

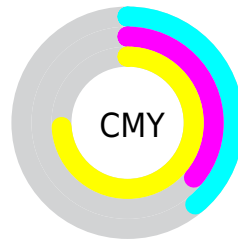


Cyan (4%)

Magenta (0%)

Yellow (60%)

Black (36%)



Cyan (39%)


Magenta (36%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6557, 0.3880, 0.4698 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 33.6557, 0.3880, 0.4698 by changing the saturation by 10% instead.


 33.6557, 0.3880,
0.4698


 33.6557, 0.3880,
0.4698

318.5941, 0.3524,
0.3959

 22.6292, 0.3950,
0.4882


 65.3979, 0.3762,
0.4427

 14.3200, 0.4023,
0.5110


 86.8824, 0.3713,
0.4325

 8.3435, 0.4087,
0.5394


 112.6217, 0.3671,
0.4240

 4.3156, 0.4167,
0.5833

 143.0002, 0.3634,
0.4167

 1.8516, 0.3929,
0.6071

 178.4023, 0.3602,
0.4104

 0.5190, 0.1681,
0.8319

219.2124, 0.3573,

 0.0000, 0.0000,

0.4049

0.0000

265.8149, 0.3547,
0.4001

■ 33.6557, 0.3880,
0.4698

■ 33.6557, 0.3880,
0.4698

■ 33.3753, 0.3963,
0.4870

■ 33.9951, 0.3776,
0.4492

■ 33.1445, 0.4022,
0.5003

■ 34.3930, 0.3657,
0.4262

■ 32.9592, 0.4055,
0.5093

■ 34.8550, 0.3526,
0.4018

■ 32.8073, 0.4069,
0.5148

■ 35.3844, 0.3391,
0.3767

■ 32.7999, 0.4069,
0.5151

■ 35.9845, 0.3254,
0.3519

■ 36.6584, 0.3121,
0.3278

■ 37.4088, 0.2993,
0.3050

■ 38.2386, 0.2872,
0.2838

■ 39.1502, 0.2760,
0.2641

Harmonies

Analogous

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



33.6557, 0.4463, 0.4299



33.6557, 0.3880, 0.4698



33.6557, 0.3136, 0.4666

Triad

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



33.6557, 0.3880, 0.4698



33.6557, 0.1772, 0.2536



33.6557, 0.3765, 0.2652

Complementary

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



33.6557, 0.3880, 0.4698



7.9576, 0.2061, 0.1451

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.



33.6557, 0.2953, 0.2277



33.6557, 0.3880, 0.4698



33.6557, 0.1889, 0.2176

Square

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



33.6557, 0.3880, 0.4698



33.6557, 0.1949, 0.3212



33.6557, 0.2288, 0.2105



33.6557, 0.4443, 0.3164

Rectangle

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



33.6557, 0.3880, 0.4698



33.6557, 0.2648, 0.4317



33.6557, 0.2288, 0.2105



33.6557, 0.3493, 0.2508

Sweetspot

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



33.6572, 0.3880, 0.4698



63.4936, 0.3375, 0.3738



12.8763, 0.4854, 0.3390



14.1972, 0.3413, 0.3808



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.6572, 0.3880, 0.4698



59.6513, 0.3982, 0.4912



29.7767, 0.3385, 0.4973



8.2113, 0.3251, 0.3513



25.5016, 0.4071, 0.5150



0.5430, 0.4118, 0.5112

Inverse Universe

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



7.9576, 0.2061, 0.1451



9.4981, 0.1827, 0.1070



10.6048, 0.2615, 0.1687



6.8831, 0.2997, 0.3059



2.1225, 0.1529, 0.0616



0.0515, 0.1665, 0.0691

Previews

White Background



This preview shows how the Yxy color 33.6557, 0.3880, 0.4698 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 33.6557, 0.3880, 0.4698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

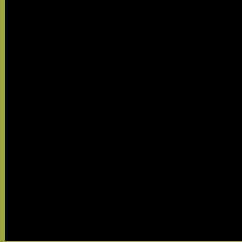
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6557, 0.3880, 0.4698

Background



This preview shows how black text looks on a background with the Yxy color 33.6557, 0.3880, 0.4698.



This preview shows how white text looks on a background with the Yxy color 33.6557, 0.3880, 0.4698.

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

33.6557, 0.3880, 0.4698

Protanopia

33.5981, 0.4145, 0.4542

Deuteranopia

33.4064, 0.4375, 0.4285



Tritanopia

33.6061, 0.3145, 0.3117

Trichromacy



Original Color

33.6557, 0.3880, 0.4698

Protanomaly

33.5028, 0.4046, 0.4595

Deuteranomaly

33.2442, 0.4189, 0.4428

Tritanomaly

33.3803, 0.3440, 0.3714

Monochromacy



Original Color

33.6557, 0.3880, 0.4698

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.4500, 0.3436, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6557, 0.3880, 0.4698 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(156, 163, 66)` looks like.

```
.text, #text, p{  
    color:rgb(156, 163, 66)  
}
```

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(156, 163, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 163, 66) }
```

Border

The CSS property to change the border of an element to Yxy 33.6557, 0.3880, 0.4698 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(156, 163, 66) }
```

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

```
.border{ border-color:rgb(156, 163, 66) }
```

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

Here you see how a box with a 4 pixel rgb(156, 163, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 163, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 163, 66);  
box-shadow:4px 4px 4px 4px rgb(156, 163,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6557, 0.3880, 0.4698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 163, 66) }
```

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

```
.background{ background-color: rgb(156,  
163, 66) }
```

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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