

Converting Colors

$Yxy(33.8283, 0.3493, 0.4940)$

Have a look what the booklet for
Yxy(33.8283, 0.3493, 0.4940)
contains.

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Color

Yxy(33.8283, 0.3493, 0.4940)

Conversions

Conversions Part 1

Format	Color
Hex	7CAB44
RGB	124, 171, 68
RGB Percent	49%, 67%, 27%
CMY	0.5137, 0.3294, 0.7335
CMYK	0.27, 0.00, 0.60, 0.33
HSL	87°, 43%, 47%
HSV	87°, 60%, 67%
XYZ	23.9195, 33.8283, 10.7306
YIQ	145.2050, 5.0510, -41.9970

Conversions

Conversions Part 2

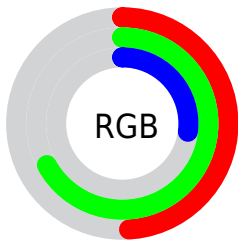
Format	Color
RYB	68, 171, 115
Decimal	8170308
CIELab	64.83, -32.71, 46.97
CIElCh	65, 57.242, 124.853
Yxy	33.8283, 0.3493, 0.4940
Android (android.graphics.Color)	4286360388 (0xFF7CAB44)
YUV	145.2050, -38.0621, -18.5968
Hunter-Lab	58.1621, -28.3746, 29.7748

Details

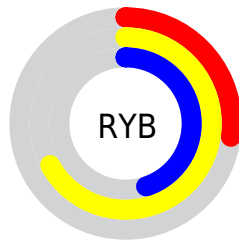
The Yxy color **33.8283, 0.3493, 0.4940** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **10.7104, 0.2462, 0.1601**, and the grayscale version is **28.5600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8779, 0.3453, 0.4600**, and **14.3230, 0.3504, 0.5488** is the 20% darker color. If you saturate the color by 10%, you get **33.0925, 0.3509, 0.5186**, and if you desaturate by 10%, it is **34.6739, 0.3457, 0.4666**.

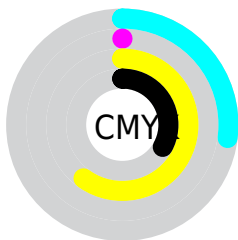
Distribution



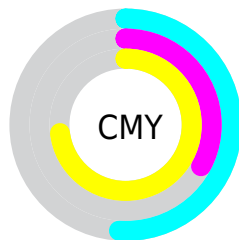
- Red (49%)
- Green (67%)
- Blue (27%)



- Red (27%)
- Yellow (67%)
- Blue (45%)



- Cyan (27%)
- Magenta (0%)
- Yellow (60%)
- Black (33%)




- Cyan (51%)
- Magenta (33%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8283, 0.3493, 0.4940 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 33.8283, 0.3493, 0.4940 by changing the saturation by 10% instead.

 33.8283, 0.3493,
0.4940

 33.8283, 0.3493,
0.4940


319.3658, 0.3350,
0.4039

 22.7617, 0.3505,
0.5181


 65.6666, 0.3456,
0.4598

 14.4177, 0.3500,
0.5493


 87.2071, 0.3437,
0.4474

 8.4117, 0.3455,
0.5904

 113.0076, 0.3419,
0.4370

 4.3595, 0.3390,
0.6610

 143.4527, 0.3403,
0.4283

 1.8766, 0.2886,
0.7114

 178.9267, 0.3388,
0.4208

 0.5343, 0.0000,
1.0000

219.8139, 0.3374,

 0.0000, 0.0000,

0.4144

0.0000

266.4988, 0.3361,
0.4088

■ 33.8283, 0.3493,
0.4940

■ 33.8283, 0.3493,
0.4940

■ 33.0925, 0.3509,
0.5186

■ 34.6739, 0.3457,
0.4666

■ 32.4554, 0.3503,
0.5392

■ 35.6308, 0.3406,
0.4378

■ 31.9111, 0.3475,
0.5548

■ 36.7055, 0.3344,
0.4089

■ 31.4553, 0.3432,
0.5657

■ 37.9032, 0.3275,
0.3809

■ 39.2284, 0.3202,
0.3543

■ 40.6854, 0.3129,
0.3296

■ 42.2783, 0.3057,
0.3070

■ 44.0111, 0.2988,
0.2865

■ 45.8874, 0.2923,
0.2681

Harmonies

Analogous

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



33.8283, 0.4267, 0.4682



33.8283, 0.3493, 0.4940



33.8283, 0.2667, 0.4548

Triad

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



33.8283, 0.3493, 0.4940



33.8283, 0.1672, 0.2185



33.8283, 0.4308, 0.2876

Complementary

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



33.8283, 0.3493, 0.4940



10.7104, 0.2462, 0.1601

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.



33.8283, 0.3426, 0.2378



33.8283, 0.3493, 0.4940



33.8283, 0.1966, 0.1985

Square

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



33.8283, 0.3493, 0.4940



33.8283, 0.1679, 0.2728



33.8283, 0.2567, 0.2063



33.8283, 0.4828, 0.3476

Rectangle

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



33.8283, 0.3493, 0.4940



33.8283, 0.2199, 0.3954



33.8283, 0.2567, 0.2063



33.8283, 0.4035, 0.2694

Sweetspot

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



33.8298, 0.3493, 0.4940



68.3238, 0.3261, 0.3756



21.1837, 0.4477, 0.3969



15.0927, 0.3281, 0.3833



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.



33.8298, 0.3493, 0.4940



58.9035, 0.3510, 0.5253



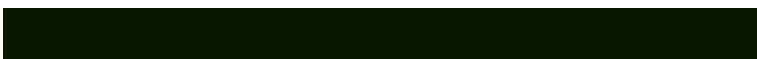
30.9641, 0.3071, 0.5178



9.1459, 0.3195, 0.3519



23.7438, 0.3438, 0.5652



0.6925, 0.3665, 0.5472

Inverse Universe

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



10.7104, 0.2462, 0.1601



13.8705, 0.2280, 0.1271



15.1603, 0.3123, 0.1886



7.9293, 0.3054, 0.3061



3.4671, 0.1956, 0.0851



0.1292, 0.2314, 0.1049

Previews

White Background



This preview shows how the Yxy color 33.8283, 0.3493, 0.4940 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 33.8283, 0.3493, 0.4940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

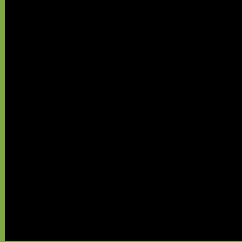
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8283, 0.3493, 0.4940

Background



This preview shows how black text looks on a background with the Yxy color 33.8283, 0.3493, 0.4940.



This preview shows how white text looks on a background with the Yxy color 33.8283, 0.3493, 0.4940.

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

33.8283, 0.3493, 0.4940

Protanopia

33.5981, 0.4145, 0.4542

Deuteranopia

33.3268, 0.4332, 0.4250



Tritanopia

33.5620, 0.2818, 0.3092

Trichromacy



Original Color

33.8283, 0.3493, 0.4940

Protanomaly

33.2902, 0.3894, 0.4699

Deuteranomaly

32.9067, 0.4012, 0.4494

Tritanomaly

33.2867, 0.3087, 0.3761

Monochromacy



Original Color

33.8283, 0.3493, 0.4940

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.7139, 0.3299, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8283, 0.3493, 0.4940 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(124, 171, 68)` looks like.

```
.text, #text, p{  
    color:rgb(124, 171, 68)  
}
```

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(124, 171, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 171, 68) }
```

Border

The CSS property to change the border of an element to Yxy 33.8283, 0.3493, 0.4940 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(124, 171, 68) }
```

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

```
.border{ border-color:rgb(124, 171, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 171, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 171, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 171, 68);  
box-shadow:4px 4px 4px 4px rgb(124, 171,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8283, 0.3493, 0.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 171, 68) }
```

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

```
.background{ background-color: rgb(124,  
171, 68) }
```

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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