

Converting Colors

$Y_{xy}(33.3342, 0.3883, 0.4975)$

Have a look what the booklet for
Yxy(33.3342, 0.3883, 0.4975)
contains.

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Color

Yxy(33.3106, 0.3881, 0.4976)

Conversions

Conversions Part 1

Format	Color
Hex	93A52E
RGB	147, 165, 46
RGB Percent	58%, 65%, 18%
CMY	0.4236, 0.3529, 0.8193
CMYK	0.11, 0.00, 0.72, 0.35
HSL	69°, 56%, 41%
HSV	69°, 72%, 65%
XYZ	25.9804, 33.3106, 7.6515
YIQ	146.0520, 27.4710, -40.8250

Conversions

Conversions Part 2

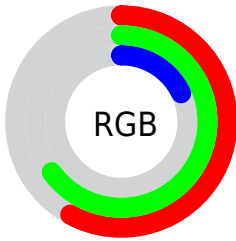
Format	Color
RYB	46, 165, 64
Decimal	9676078
CIELab	64.41, -22.11, 56.11
CIELCh	64, 60.307, 111.506
Yxy	33.3106, 0.3881, 0.4976
Android (android.graphics.Color)	4287866158 (0xFF93A52E)
YUV	146.0520, -49.3256, 0.8314
Hunter-Lab	57.7153, -20.6506, 32.5404

Details

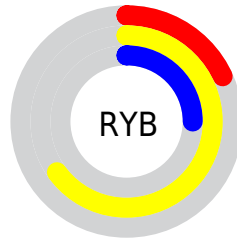
The Yxy color **33.3106, 0.3881, 0.4976** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.7689, 0.1908, 0.1113**, and the grayscale version is **28.9676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9439, 0.3783, 0.4654**, and **14.1374, 0.3897, 0.5288** is the 20% darker color. If you saturate the color by 10%, you get **32.9773, 0.3919, 0.5114**, and if you desaturate by 10%, it is **33.7020, 0.3818, 0.4797**.

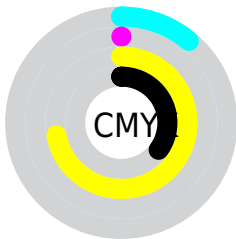
Distribution



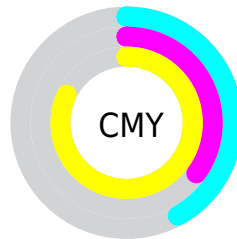
- Red (58%)
- Green (65%)
- Blue (18%)



- Red (18%)
- Yellow (65%)
- Blue (25%)



- Cyan (11%)
- Magenta (0%)
- Yellow (72%)
- Black (35%)





- Cyan (42%)
- Magenta (35%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3106, 0.3881, 0.4976 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 33.3106, 0.3881, 0.4976 by changing the saturation by 10% instead.


 33.3106, 0.3881,
0.4976


 33.3106, 0.3881,
0.4976

317.0470, 0.3549,
0.4092


 22.3645, 0.3931,
0.5190


 64.8601, 0.3780,
0.4655


 14.1250, 0.3969,
0.5449


 86.2324, 0.3736,
0.4533


 8.2076, 0.4014,
0.5826


 111.8488, 0.3695,
0.4430

 4.2281, 0.3875,
0.6125

 142.0937, 0.3659,
0.4342

 1.8020, 0.3532,
0.6468

 177.3516, 0.3627,
0.4267

 0.4884, 0.0000,
1.0000

 218.0069, 0.3598,

 0.0000, 0.0000,

0.4201

0.0000

264.4439, 0.3572,
0.4143

■ 33.3106, 0.3881,
0.4976

■ 33.3106, 0.3881,
0.4976

■ 32.9773, 0.3919,
0.5114

■ 33.7020, 0.3818,
0.4797

■ 32.6914, 0.3932,
0.5208

■ 34.1521, 0.3734,
0.4584

■ 32.4887, 0.3931,
0.5261

■ 34.6669, 0.3632,
0.4346

■ 35.2505, 0.3518,
0.4094

■ 35.9067, 0.3397,
0.3838

■ 36.6388, 0.3274,
0.3584

■ 37.4501, 0.3152,
0.3339

■ 38.3435, 0.3034,
0.3108

■ 39.3219, 0.2923,
0.2893

Harmonies

Analogous

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



33.3106, 0.4605, 0.4490



33.3106, 0.3881, 0.4976



33.3106, 0.3011, 0.4914

Triad

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



33.3106, 0.3881, 0.4976



33.3106, 0.1569, 0.2328



33.3106, 0.3983, 0.2602

Complementary

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



33.3106, 0.3881, 0.4976



5.7689, 0.1908, 0.1113

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.



33.3106, 0.3012, 0.2161



33.3106, 0.3881, 0.4976



33.3106, 0.1736, 0.1975

Square

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



33.3106, 0.3881, 0.4976



33.3106, 0.1718, 0.3071



33.3106, 0.2217, 0.1937



33.3106, 0.4752, 0.3187

Rectangle

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



33.3106, 0.3881, 0.4976



33.3106, 0.2458, 0.4443



33.3106, 0.2217, 0.1937



33.3106, 0.3659, 0.2435

Sweetspot

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



33.3121, 0.3881, 0.4976



64.2615, 0.3401, 0.3846



11.8541, 0.5304, 0.3524



13.9810, 0.3432, 0.3911



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.



33.3121, 0.3881, 0.4976



58.7641, 0.3930, 0.5171



29.1700, 0.3299, 0.5363



8.1827, 0.3239, 0.3514



24.5934, 0.3933, 0.5259



0.5306, 0.4034, 0.5179

Inverse Universe

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



5.7689, 0.1908, 0.1113



6.6896, 0.1683, 0.0784



8.9149, 0.2605, 0.1452



6.9091, 0.3009, 0.3059



2.2259, 0.1573, 0.0640



0.0606, 0.1836, 0.0785

Previews

White Background



This preview shows how the Yxy color 33.3106, 0.3881, 0.4976 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 33.3106, 0.3881, 0.4976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

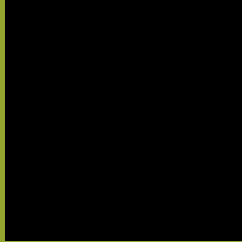
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3106, 0.3881, 0.4976

Background



This preview shows how black text looks on a background with the Yxy color 33.3106, 0.3881, 0.4976.



This preview shows how white text looks on a background with the Yxy color 33.3106, 0.3881, 0.4976.

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

33.3106, 0.3881, 0.4976

Protanopia

33.0727, 0.4272, 0.4706

Deuteranopia

33.0390, 0.4514, 0.4420



Tritanopia

33.2353, 0.3067, 0.3114

Trichromacy



Original Color

33.3106, 0.3881, 0.4976

Protanomaly

32.9851, 0.4131, 0.4799

Deuteranomaly

32.8065, 0.4292, 0.4618

Tritanomaly

32.8274, 0.3430, 0.3849

Monochromacy



Original Color

33.3106, 0.3881, 0.4976

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.0192, 0.3463, 0.3989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3106, 0.3881, 0.4976 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(147, 165, 46)` looks like.

```
.text, #text, p{  
    color:rgb(147, 165, 46)  
}
```

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(147, 165, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 165, 46) }
```

Border

The CSS property to change the border of an element to Yxy 33.3106, 0.3881, 0.4976 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(147, 165, 46) }
```

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

```
.border{ border-color:rgb(147, 165, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 165, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 165, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 165, 46);  
box-shadow:4px 4px 4px 4px rgb(147, 165,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3106, 0.3881, 0.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 165, 46) }
```

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

```
.background{ background-color: rgb(147,  
165, 46) }
```

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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