

Converting Colors

$Y_{xy}(27.3312, 0.3841, 0.4938)$

Have a look what the booklet for
Yxy(27.3312, 0.3841, 0.4938)
contains.

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Color

Yxy(27.3170, 0.3840, 0.4941)

Conversions

Conversions Part 1

Format	Color
Hex	85972E
RGB	133, 151, 46
RGB Percent	52%, 59%, 18%
CMY	0.4785, 0.4078, 0.8196
CMYK	0.12, 0.00, 0.70, 0.41
HSL	70°, 53%, 39%
HSV	70°, 70%, 59%
XYZ	21.2300, 27.3170, 6.7394
YIQ	133.6480, 22.9770, -36.4710

Conversions

Conversions Part 2

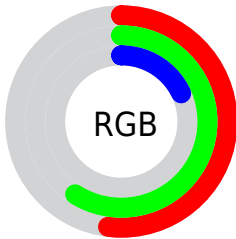
Format	Color
RYB	46, 151, 64
Decimal	8754990
CIELab	59.27, -21.05, 50.66
CIElCh	59, 54.858, 112.569
Yxy	27.3170, 0.3840, 0.4941
Android (android.graphics.Color)	4286945070 (0xFF85972E)
YUV	133.6480, -43.2105, -0.5683
Hunter-Lab	52.2657, -18.9594, 28.9408

Details

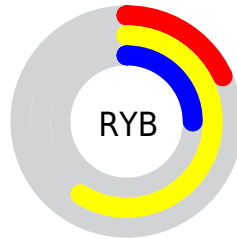
The Yxy color **27.3170, 0.3840, 0.4941** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.2811, 0.1982, 0.1206**, and the grayscale version is **23.8590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3633, 0.3744, 0.4604**, and **10.8198, 0.3863, 0.5314** is the 20% darker color. If you saturate the color by 10%, you get **27.0109, 0.3882, 0.5096**, and if you desaturate by 10%, it is **27.6727, 0.3774, 0.4748**.

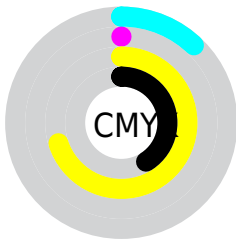
Distribution



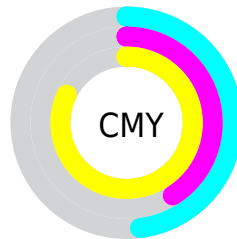
- Red (52%)
- Green (59%)
- Blue (18%)



- Red (18%)
- Yellow (59%)
- Blue (25%)



- Cyan (12%)
- Magenta (0%)
- Yellow (70%)
- Black (41%)





- Cyan (48%)
- Magenta (41%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3170, 0.3840, 0.4941 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 27.3170, 0.3840, 0.4941 by changing the saturation by 10% instead.


 27.3170, 0.3840,
0.4941


 27.3170, 0.3840,
0.4941


289.1887, 0.3511,
0.4042


 17.8114, 0.3892,
0.5172


 55.3921, 0.3737,
0.4604


 10.8147, 0.3931,
0.5459


 74.7305, 0.3692,
0.4480


 5.9424, 0.4029,
0.5971

 98.1153, 0.3653,
0.4376

 2.8101, 0.3780,
0.6220

 125.9308, 0.3617,
0.4288

 1.0334, 0.3085,
0.6915

 158.5615, 0.3586,
0.4213

 0.0000, 0.0000,
0.0000

 196.3918, 0.3558,

0.4148

239.8061, 0.3534,
0.4092

■ 27.3170, 0.3840,
0.4941

■ 27.3170, 0.3840,
0.4941

■ 27.0109, 0.3882,
0.5096

■ 27.6727, 0.3774,
0.4748

■ 26.7460, 0.3900,
0.5207

■ 28.0783, 0.3688,
0.4525

■ 26.5125, 0.3898,
0.5284

■ 28.5385, 0.3587,
0.4281

■ 26.5018, 0.3898,
0.5287

■ 29.0565, 0.3475,
0.4026

■ 29.6354, 0.3358,
0.3770

■ 30.2776, 0.3239,
0.3519

■ 30.9860, 0.3122,
0.3279

■ 31.7627, 0.3009,
0.3054

■ 32.6102, 0.2903,
0.2845

Harmonies

Analogous

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



27.3170, 0.4553, 0.4489



27.3170, 0.3840, 0.4941



27.3170, 0.2989, 0.4846

Triad

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



27.3170, 0.3840, 0.4941



27.3170, 0.1604, 0.2336



27.3170, 0.3992, 0.2638

Complementary

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



27.3170, 0.3840, 0.4941



5.2811, 0.1982, 0.1206

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.



27.3170, 0.3049, 0.2198



27.3170, 0.3840, 0.4941



27.3170, 0.1778, 0.1999

Square

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



27.3170, 0.3840, 0.4941



27.3170, 0.1741, 0.3048



27.3170, 0.2262, 0.1971



27.3170, 0.4724, 0.3216

Rectangle

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



27.3170, 0.3840, 0.4941



27.3170, 0.2453, 0.4374



27.3170, 0.2262, 0.1971



27.3170, 0.3680, 0.2472

Sweetspot

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



27.3182, 0.3840, 0.4941



52.8615, 0.3380, 0.3818



10.3895, 0.5150, 0.3552



11.9541, 0.3410, 0.3883



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



27.3182, 0.3840, 0.4941



48.1142, 0.3894, 0.5158



24.0835, 0.3288, 0.5295



7.1692, 0.3235, 0.3512



22.5534, 0.3900, 0.5286



0.3497, 0.4040, 0.5174

Inverse Universe

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



5.2811, 0.1982, 0.1206



6.1143, 0.1747, 0.0854



7.9033, 0.2660, 0.1527



6.0748, 0.3013, 0.3062



2.0961, 0.1590, 0.0650



0.0425, 0.1907, 0.0824

Previews

White Background



This preview shows how the Yxy color 27.3170, 0.3840, 0.4941 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3170, 0.3840, 0.4941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

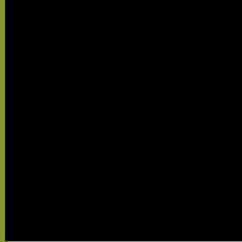
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3170, 0.3840, 0.4941

Background



This preview shows how black text looks on a background with the Yxy color 27.3170, 0.3840, 0.4941.



This preview shows how white text looks on a background with the Yxy color 27.3170, 0.3840, 0.4941.

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

27.3170, 0.3840, 0.4941

Protanopia

27.3004, 0.4241, 0.4673

Deuteranopia

27.0409, 0.4481, 0.4383



Tritanopia

27.2460, 0.3051, 0.3114

Trichromacy



Original Color

27.3170, 0.3840, 0.4941

Protanomaly

27.2313, 0.4088, 0.4772

Deuteranomaly

26.9614, 0.4247, 0.4580

Tritanomaly

27.0185, 0.3392, 0.3831

Monochromacy



Original Color

27.3170, 0.3840, 0.4941

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.7838, 0.3451, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3170, 0.3840, 0.4941 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(133, 151, 46)` looks like.

```
.text, #text, p{  
    color:rgb(133, 151, 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(133, 151, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 151, 46) }
```

Border

The CSS property to change the border of an element to Yxy 27.3170, 0.3840, 0.4941 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(133, 151, 46) }
```

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

```
.border{ border-color:rgb(133, 151, 46) }
```

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

Here you see how a box with a 4 pixel rgb(133, 151, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 151, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 151, 46);  
box-shadow:4px 4px 4px 4px rgb(133, 151,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3170, 0.3840, 0.4941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 151, 46) }
```

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

```
.background{ background-color: rgb(133,  
151, 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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