

Converting Colors

$Y_{xy}(19.3690, 0.2781, 0.4589)$

Have a look what the booklet for
Yxy(19.3690, 0.2781, 0.4589)
contains.

Yxy(19.3670, 0.2781, 0.4589)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.3670, 0.2781, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	2E8A52
RGB	46, 138, 82
RGB Percent	18%, 54%, 32%
CMY	0.8197, 0.4588, 0.6785
CMYK	0.67, 0.00, 0.41, 0.46
HSL	143°, 50%, 36%
HSV	143°, 67%, 54%
XYZ	11.7367, 19.3670, 11.0994
YIQ	104.1080, -36.8560, -36.9200

Conversions

Conversions Part 2

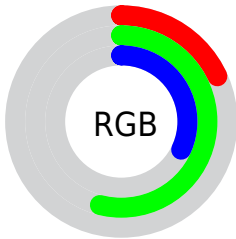
Format	Color
RYB	46, 112, 138
Decimal	3050066
CIELab	51.11, -40.30, 22.29
CIELCh	51, 46.051, 151.057
Yxy	19.3670, 0.2781, 0.4589
Android (android.graphics.Color)	4281240146 (0xFF2E8A52)
YUV	104.1080, -10.8992, -50.9607
Hunter-Lab	44.0080, -29.4089, 15.8518

Details

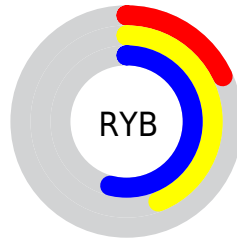
The Yxy color **19.3670, 0.2781, 0.4589** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.3145, 0.3891, 0.2335**, and the grayscale version is **13.9088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2488, 0.2880, 0.4253**, and **6.9438, 0.2764, 0.5150** is the 20% darker color. If you saturate the color by 10%, you get **18.9773, 0.2771, 0.4819**, and if you desaturate by 10%, it is **19.8770, 0.2807, 0.4359**.

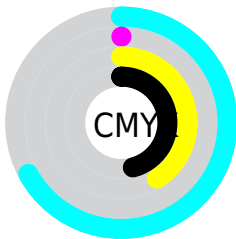
Distribution



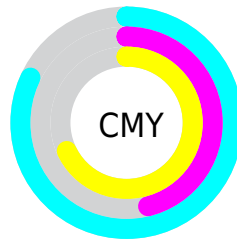
- Red (18%)
- Green (54%)
- Blue (32%)



- Red (18%)
- Yellow (44%)
- Blue (54%)



- Cyan (67%)
- Magenta (0%)
- Yellow (41%)
- Black (46%)





- Cyan (82%)
- Magenta (46%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3670, 0.2781, 0.4589 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 19.3670, 0.2781, 0.4589 by changing the saturation by 10% instead.


 19.3670, 0.2781,
0.4589


 19.3670, 0.2781,
0.4589


248.4674, 0.3004,
0.3799


 11.9358, 0.2698,
0.4854


 42.3533, 0.2879,
0.4258


 6.7000, 0.2569,
0.5248


 58.6772, 0.2910,
0.4148

 3.2752, 0.2342,
0.5885

 78.7341, 0.2934,
0.4060

 1.2770, 0.1269,
0.8731

 102.9084, 0.2954,
0.3989

 0.1233, 0.0000,
1.0000

 131.5845, 0.2970,
0.3929

 0.0000, 0.0000,
0.0000

 165.1467, 0.2983,

0.3879

203.9796, 0.2994,
0.3836

■ 19.3670, 0.2781,
0.4589

■ 19.3670, 0.2781,
0.4589

■ 18.9773, 0.2771,
0.4819

■ 19.8770, 0.2807,
0.4359

■ 18.6947, 0.2778,
0.5040

■ 20.5143, 0.2847,
0.4136

■ 18.5014, 0.2801,
0.5245

■ 21.2883, 0.2897,
0.3924

■ 18.4451, 0.2808,
0.5310

■ 22.2066, 0.2955,
0.3728

■ 23.2765, 0.3018,
0.3549

■ 24.5046, 0.3083,
0.3388

■ 25.8970, 0.3149,
0.3244

■ 27.4598, 0.3214,
0.3117

■ 29.1986, 0.3277,
0.3005

Harmonies

Analogous

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



19.3670, 0.3591, 0.4886



19.3670, 0.2781, 0.4589



19.3670, 0.2110, 0.3734

Triad

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



19.3670, 0.2781, 0.4589



19.3670, 0.1944, 0.2027



19.3670, 0.4742, 0.3400

Complementary

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



19.3670, 0.2781, 0.4589



8.3145, 0.3891, 0.2335

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.



19.3670, 0.4175, 0.2821



19.3670, 0.2781, 0.4589



19.3670, 0.2494, 0.2071

Square

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



19.3670, 0.2781, 0.4589



19.3670, 0.1692, 0.2265



19.3670, 0.3305, 0.2352



19.3670, 0.4771, 0.4018

Rectangle

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



19.3670, 0.2781, 0.4589



19.3670, 0.1826, 0.3113



19.3670, 0.3305, 0.2352



19.3670, 0.4608, 0.3200

Sweetspot

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



19.3678, 0.2781, 0.4589



40.2884, 0.2994, 0.3614



21.2430, 0.3583, 0.5025



8.9340, 0.2979, 0.3657



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.3678, 0.2781, 0.4589



33.1753, 0.2772, 0.4931



20.2981, 0.2437, 0.3517



5.6385, 0.3067, 0.3426



16.9127, 0.2806, 0.5303



0.1151, 0.2575, 0.4471

Inverse Universe

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



8.3145, 0.3891, 0.2335



12.1884, 0.4147, 0.2232



7.6479, 0.4974, 0.3121



5.0964, 0.3192, 0.3158



5.5438, 0.4462, 0.2232



0.0397, 0.3794, 0.1864

Previews

White Background



This preview shows how the Yxy color 19.3670, 0.2781, 0.4589 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 19.3670, 0.2781, 0.4589 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 19.3670, 0.2781, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 19.3670, 0.2781, 0.4589.



This preview shows how white text looks on a background with the Yxy color 19.3670, 0.2781, 0.4589.

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

19.3670, 0.2781, 0.4589

Protanopia

19.0883, 0.3821, 0.4139

Deuteranopia

19.1082, 0.3874, 0.3802



Tritanopia

19.3438, 0.2416, 0.3065

Trichromacy



Original Color

19.3670, 0.2781, 0.4589

Protanomaly

18.4955, 0.3345, 0.4316

Deuteranomaly

18.2593, 0.3369, 0.4092

Tritanomaly

19.3361, 0.2548, 0.3592

Monochromacy



Original Color

19.3670, 0.2781, 0.4589

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.1743, 0.2947, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3670, 0.2781, 0.4589 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(46, 138, 82)` looks like.

```
.text, #text, p{  
    color:rgb(46, 138, 82)  
}
```

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(46, 138, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 138, 82) }
```

Border

The CSS property to change the border of an element to Yxy 19.3670, 0.2781, 0.4589 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(46, 138, 82) }
```

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

```
.border{ border-color:rgb(46, 138, 82) }
```

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

Here you see how a box with a 4 pixel rgb(46, 138, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 138, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 138, 82);  
box-shadow:4px 4px 4px 4px rgb(46, 138,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3670, 0.2781, 0.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 138, 82) }
```

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

```
.background{ background-color: rgb(46, 138,  
82) }
```

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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