

Converting Colors

$Yxy(27.8489, 0.2949, 0.4941)$

Have a look what the booklet for
Yxy(27.8489, 0.2949, 0.4941)
contains.

Yxy(27.8489, 0.2949, 0.4941)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.8489, 0.2949, 0.4941)

Conversions

Conversions Part 1

Format	Color
Hex	40A34F
RGB	64, 163, 79
RGB Percent	25%, 64%, 31%
CMY	0.7491, 0.3608, 0.6903
CMYK	0.61, 0.00, 0.52, 0.36
HSL	129°, 44%, 45%
HSV	129°, 61%, 64%
XYZ	16.6214, 27.8489, 11.8926
YIQ	123.8230, -32.0400, -47.1120

Conversions

Conversions Part 2

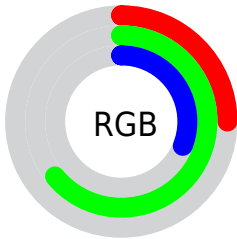
Format	Color
RYB	64, 150, 163
Decimal	4236111
CIELab	59.75, -46.91, 35.00
CIELCh	60, 58.532, 143.270
Yxy	27.8489, 0.2949, 0.4941
Android (android.graphics.Color)	4282426191 (0xFF40A34F)
YUV	123.8230, -22.0977, -52.4648
Hunter-Lab	52.7721, -36.1296, 23.5790

Details

The Yxy color **27.8489, 0.2949, 0.4941** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.5904, 0.3410, 0.2080**, and the grayscale version is **20.1754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3397, 0.3013, 0.4558**, and **11.2456, 0.2884, 0.5581** is the 20% darker color. If you saturate the color by 10%, you get **27.2005, 0.2939, 0.5238**, and if you desaturate by 10%, it is **28.7013, 0.2968, 0.4631**.

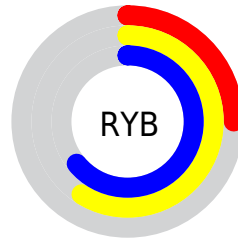
Distribution



Red (25%)

Green (64%)

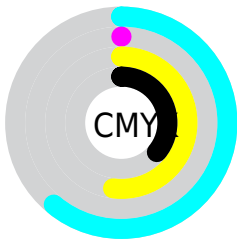
Blue (31%)



Red (25%)

Yellow (59%)

Blue (64%)

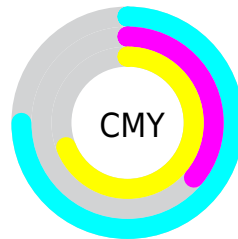


Cyan (61%)

Magenta (0%)

Yellow (52%)

Black (36%)



Cyan (75%)


Magenta (36%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8489, 0.2949, 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 27.8489, 0.2949, 0.4941 by changing the saturation by 10% instead.


 27.8489, 0.2949,
0.4941


 27.8489, 0.2949,
0.4941


291.7442, 0.3087,
0.3982


 18.2118, 0.2889,
0.5230

 56.2431, 0.3016,
0.4557

 11.1021, 0.2791,
0.5633


 75.7690, 0.3035,
0.4424

 6.1356, 0.2616,
0.6218

 99.3599, 0.3050,
0.4315

 2.9277, 0.2424,
0.7576

 127.4003, 0.3061,
0.4226

 1.0941, 0.0000,
1.0000

 160.2746, 0.3070,
0.4150

 0.0000, 0.0000,
0.0000

198.3670, 0.3077,

0.4086

242.0621, 0.3083,
0.4031

■ 27.8489, 0.2949,
0.4941

■ 27.8489, 0.2949,
0.4941

■ 27.2005, 0.2939,
0.5238

■ 28.7013, 0.2968,
0.4631

■ 26.7355, 0.2939,
0.5502

■ 29.7691, 0.2994,
0.4323

■ 26.4353, 0.2949,
0.5716

■ 31.0672, 0.3025,
0.4031

■ 26.2652, 0.2962,
0.5862

■ 32.6079, 0.3058,
0.3762

■ 34.4030, 0.3092,
0.3520

■ 36.4631, 0.3125,
0.3305

■ 38.7985, 0.3157,
0.3117

■ 41.4189, 0.3187,
0.2953

■ 44.3334, 0.3215,
0.2811

Harmonies

Analogous

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



27.8489, 0.3843, 0.5040



27.8489, 0.2949, 0.4941



27.8489, 0.2151, 0.4075

Triad

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



27.8489, 0.2949, 0.4941



27.8489, 0.1722, 0.1931



27.8489, 0.4831, 0.3217

Complementary

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



27.8489, 0.2949, 0.4941



13.5904, 0.3410, 0.2080

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.



27.8489, 0.4064, 0.2615



27.8489, 0.2949, 0.4941



27.8489, 0.2231, 0.1912

Square

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



27.8489, 0.2949, 0.4941



27.8489, 0.1534, 0.2267



27.8489, 0.3063, 0.2154



27.8489, 0.5007, 0.3881

Rectangle

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



27.8489, 0.2949, 0.4941



27.8489, 0.1785, 0.3339



27.8489, 0.3063, 0.2154



27.8489, 0.4630, 0.3007

Sweetspot

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



27.8501, 0.2949, 0.4941



59.1273, 0.3066, 0.3701



32.8765, 0.3809, 0.4768



13.0897, 0.3057, 0.3772



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.



27.8501, 0.2949, 0.4941



48.3736, 0.2937, 0.5338



28.8535, 0.2618, 0.3948



7.9117, 0.3096, 0.3486



20.4159, 0.2958, 0.5850



0.4337, 0.2818, 0.5343

Inverse Universe

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



13.5904, 0.3410, 0.2080



20.5273, 0.3489, 0.1903



12.3461, 0.4298, 0.2768



7.1837, 0.3159, 0.3101



7.4901, 0.3624, 0.1770



0.1621, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 27.8489, 0.2949, 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 27.8489, 0.2949, 0.4941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

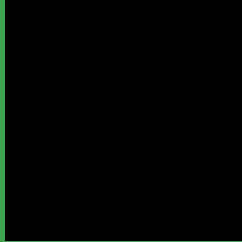
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8489, 0.2949, 0.4941

Background



This preview shows how black text looks on a background with the Yxy color 27.8489, 0.2949, 0.4941.



This preview shows how white text looks on a background with the Yxy color 27.8489, 0.2949, 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

27.8489, 0.2949, 0.4941

Protanopia

27.3819, 0.4010, 0.4376

Deuteranopia

27.1644, 0.4108, 0.4026



Tritanopia

27.8906, 0.2471, 0.3080

Trichromacy



Original Color

27.8489, 0.2949, 0.4941



Protanomaly

26.6058, 0.3544, 0.4603



Deuteranomaly

26.1688, 0.3599, 0.4377



Tritanomaly

27.4974, 0.2650, 0.3720

Monochromacy



Original Color

27.8489, 0.2949, 0.4941



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.0844, 0.3036, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8489, 0.2949, 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(64, 163, 79)` looks like.

```
.text, #text, p{  
    color:rgb(64, 163, 79)  
}
```

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(64, 163, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 163, 79) }
```

Border

The CSS property to change the border of an element to Yxy 27.8489, 0.2949, 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(64, 163, 79) }
```

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

```
.border{ border-color:rgb(64, 163, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 163, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 163, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 163, 79);  
box-shadow:4px 4px 4px 4px rgb(64, 163,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8489, 0.2949, 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(64, 163, 79) }
```

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

```
.background{ background-color: rgb(64, 163,  
79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor