

Converting Colors

$Yxy(27.5041, 0.2751, 0.4741)$

Have a look what the booklet for
Yxy(27.5041, 0.2751, 0.4741)
contains.

Yxy(27.4385, 0.2751, 0.4734)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.4385, 0.2751, 0.4734)

Conversions

Conversions Part 1

Format	Color
Hex	29A35C
RGB	41, 163, 92
RGB Percent	16%, 64%, 36%
CMY	0.8389, 0.3608, 0.6393
CMYK	0.75, 0.00, 0.44, 0.36
HSL	145°, 60%, 40%
HSV	145°, 75%, 64%
XYZ	15.9449, 27.4385, 14.5771
YIQ	118.4280, -49.9210, -47.9450

Conversions

Conversions Part 2

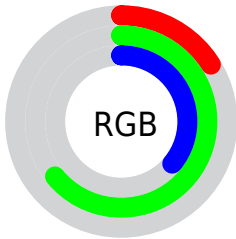
Format	Color
RYB	41, 127, 163
Decimal	2728796
CIELab	59.38, -49.15, 27.65
CIELCh	59, 56.389, 150.638
Yxy	27.4385, 0.2751, 0.4734
Android (android.graphics.Color)	4280918876 (0xFF29A35C)
YUV	118.4280, -13.0290, -67.9044
Hunter-Lab	52.3818, -37.3330, 20.1677

Details

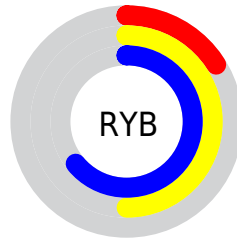
The Yxy color **27.4385, 0.2751, 0.4734** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.5493, 0.4113, 0.2304**, and the grayscale version is **18.3181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6495, 0.2853, 0.4396**, and **11.3337, 0.2790, 0.5243** is the 20% darker color. If you saturate the color by 10%, you get **27.0147, 0.2756, 0.4952**, and if you desaturate by 10%, it is **28.0241, 0.2764, 0.4510**.

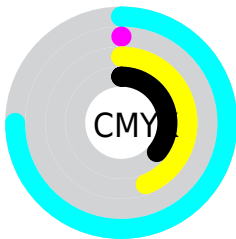
Distribution



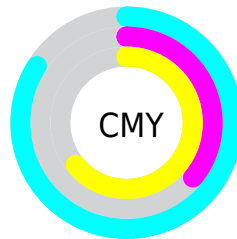
- Red (16%)
- Green (64%)
- Blue (36%)



- Red (16%)
- Yellow (50%)
- Blue (64%)



- Cyan (75%)
- Magenta (0%)
- Yellow (44%)
- Black (36%)



- Cyan (84%)
- Magenta (36%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4385, 0.2751, 0.4734 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 27.4385, 0.2751, 0.4734 by changing the saturation by 10% instead.

 27.4385, 0.2751,
0.4734


 27.4385, 0.2751,
0.4734


289.7740, 0.2986,
0.3893


 17.9028, 0.2670,
0.4993


 55.5867, 0.2851,
0.4395

 10.8802, 0.2550,
0.5358


 74.9681, 0.2884,
0.4278

 5.9864, 0.2356,
0.5906

 98.4001, 0.2910,
0.4183

 2.8368, 0.2058,
0.6955

 126.2671, 0.2931,
0.4105

 1.0471, 0.0000,
1.0000

 158.9537, 0.2948,
0.4039

 0.0000, 0.0000,
0.0000

 196.8441, 0.2963,

0.3983

240.3227, 0.2975,
0.3935

■ 27.4385, 0.2751,
0.4734

■ 27.4385, 0.2751,
0.4734

■ 27.0147, 0.2756,
0.4952

■ 28.0241, 0.2764,
0.4510

■ 26.7299, 0.2779,
0.5156

■ 28.7843, 0.2794,
0.4287

■ 26.6123, 0.2794,
0.5257

■ 29.7340, 0.2839,
0.4072

■ 30.8858, 0.2893,
0.3869

■ 32.2512, 0.2956,
0.3681

■ 33.8406, 0.3023,
0.3511

■ 35.6639, 0.3093,
0.3358

■ 37.7302, 0.3164,
0.3221

■ 40.0483, 0.3233,
0.3101

Harmonies

Analogous

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



27.4385, 0.3622, 0.5030



27.4385, 0.2751, 0.4734



27.4385, 0.2031, 0.3786

Triad

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



27.4385, 0.2751, 0.4734



27.4385, 0.1851, 0.1936



27.4385, 0.4879, 0.3381

Complementary

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



27.4385, 0.2751, 0.4734



10.5493, 0.4113, 0.2304

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.



27.4385, 0.4256, 0.2771



27.4385, 0.2751, 0.4734



27.4385, 0.2429, 0.1982

Square

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



27.4385, 0.2751, 0.4734



27.4385, 0.1590, 0.2184



27.4385, 0.3302, 0.2277



27.4385, 0.4904, 0.4038

Rectangle

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



27.4385, 0.2751, 0.4734



27.4385, 0.1731, 0.3099



27.4385, 0.3302, 0.2277



27.4385, 0.4732, 0.3170

Sweetspot

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



27.4396, 0.2751, 0.4734



58.4038, 0.2972, 0.3639



29.8125, 0.3557, 0.5248



12.9627, 0.2955, 0.3684



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.



27.4396, 0.2751, 0.4734



48.0072, 0.2770, 0.5094



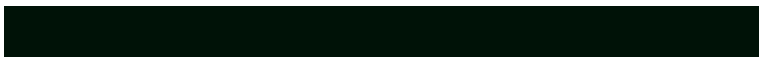
28.9618, 0.2370, 0.3476



7.9418, 0.3062, 0.3424



20.6915, 0.2789, 0.5240



0.4441, 0.2586, 0.4508

Inverse Universe

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



10.5493, 0.4113, 0.2304



16.1565, 0.4437, 0.2276



9.6186, 0.5452, 0.3178



7.1519, 0.3198, 0.3160



6.7020, 0.4580, 0.2297



0.1499, 0.3968, 0.1960

Previews

White Background



This preview shows how the Yxy color 27.4385, 0.2751, 0.4734 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 27.4385, 0.2751, 0.4734 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 27.4385, 0.2751, 0.4734

Background



This preview shows how black text looks on a background with the Yxy color 27.4385, 0.2751, 0.4734.



This preview shows how white text looks on a background with the Yxy color 27.4385, 0.2751, 0.4734.

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

27.4385, 0.2751, 0.4734

Protanopia

26.9547, 0.3872, 0.4210

Deuteranopia

26.9252, 0.3932, 0.3868



Tritanopia

27.2408, 0.2372, 0.3058

Trichromacy



Original Color

27.4385, 0.2751, 0.4734



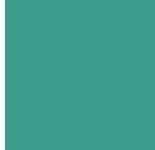
Protanomaly

26.0782, 0.3335, 0.4445



Deuteranomaly

25.5399, 0.3354, 0.4195



Tritanomaly

26.9681, 0.2499, 0.3612

Monochromacy



Original Color

27.4385, 0.2751, 0.4734



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.3280, 0.2903, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4385, 0.2751, 0.4734 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(41, 163, 92)` looks like.

```
.text, #text, p{  
    color:rgb(41, 163, 92)  
}
```

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(41, 163, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 163, 92) }
```

Border

The CSS property to change the border of an element to Yxy 27.4385, 0.2751, 0.4734 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(41, 163, 92) }
```

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

```
.border{ border-color:rgb(41, 163, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 163, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 163, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 163, 92);  
box-shadow:4px 4px 4px 4px rgb(41, 163,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4385, 0.2751, 0.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 163, 92) }
```

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

```
.background{ background-color: rgb(41, 163,  
92) }
```

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