

Converting Colors

$Yxy(24.9012, 0.2085, 0.5660)$

Have a look what the booklet for
Yxy(24.9012, 0.2085, 0.5660)
contains.

Yxy(27.7021, 0.2796, 0.5265)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7021, 0.2796, 0.5265)

Conversions

Conversions Part 1

Format	Color
Hex	00A645
RGB	0, 166, 69
RGB Percent	0%, 65%, 27%
CMY	0.9996, 0.3490, 0.7294
CMYK	1.00, 0.00, 0.58, 0.35
HSL	145°, 100%, 33%
HSV	145°, 100%, 65%
XYZ	14.7113, 27.7021, 10.2022
YIQ	105.3080, -67.7990, -65.3590

Conversions

Conversions Part 2

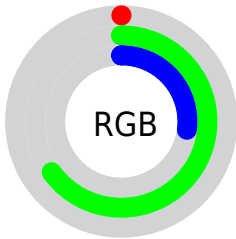
Format	Color
RYB	0, 117, 166
Decimal	42565
CIELab	59.62, -57.49, 39.54
CIELCh	60, 69.770, 145.480
Yxy	27.7021, 0.2796, 0.5265
Android (android.graphics.Color)	4278232645 (0xFF00A645)
YUV	105.3080, -17.8998, -92.3551
Hunter-Lab	52.6328, -42.2151, 25.3504

Details

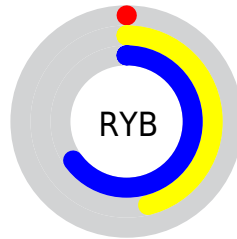
The Yxy color **27.7021, 0.2796, 0.5265** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **8.9741, 0.4589, 0.2302**, and the grayscale version is **14.2867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8228, 0.2906, 0.4795**, and **11.6320, 0.2946, 0.5804** is the 20% darker color. If you saturate the color by 10%, you get **27.7019, 0.2796, 0.5266**, and if you desaturate by 10%, it is **27.9496, 0.2768, 0.5068**.

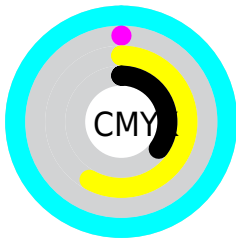
Distribution



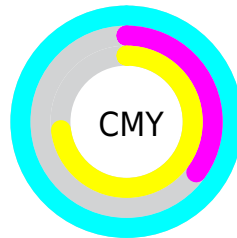
- Red (0%)
- Green (65%)
- Blue (27%)



- Red (0%)
- Yellow (46%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7021, 0.2796, 0.5265 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 27.7021, 0.2796, 0.5265 by changing the saturation by 10% instead.


 27.7021, 0.2796,
0.5265


 27.7021, 0.2796,
0.5265


291.0407, 0.3034,
0.4107


 18.1012, 0.2700,
0.5616


 56.0085, 0.2906,
0.4799


 11.0227, 0.2548,
0.6103


 75.4828, 0.2940,
0.4637

 6.0821, 0.2292,
0.6806

 99.0170, 0.2965,
0.4507

 2.8951, 0.1859,
0.8141

 126.9955, 0.2985,
0.4398

 1.0772, 0.0000,
1.0000

 159.8027, 0.3001,
0.4308

 0.0000, 0.0000,
0.0000

 197.8231, 0.3014,

0.4231

241.4409, 0.3025,
0.4164

■ 27.7021, 0.2796,
0.5265

■ 27.7021, 0.2796,
0.5265

■ 27.7019, 0.2796,
0.5266

■ 27.9496, 0.2768,
0.5068

■ 28.3126, 0.2753,
0.4856

■ 28.8326, 0.2757,
0.4633

■ 29.5276, 0.2778,
0.4407

■ 30.4133, 0.2815,
0.4186

■ 31.5036, 0.2865,
0.3975

■ 32.8110, 0.2924,
0.3778

■ 34.3469, 0.2989,
0.3598

■ 36.1219, 0.3057,
0.3435

Harmonies

Analogous

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



27.7021, 0.3821, 0.5371



27.7021, 0.2796, 0.5265



27.7021, 0.1912, 0.4133

Triad

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



27.7021, 0.2796, 0.5265



27.7021, 0.1549, 0.1715



27.7021, 0.5190, 0.3214

Complementary

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



27.7021, 0.2796, 0.5265



8.9741, 0.4589, 0.2302

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.



27.7021, 0.4320, 0.2544



27.7021, 0.2796, 0.5265



27.7021, 0.2138, 0.1727

Square

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



27.7021, 0.2796, 0.5265



27.7021, 0.1315, 0.2040



27.7021, 0.3121, 0.2017



27.7021, 0.5296, 0.3952

Rectangle

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



27.7021, 0.2796, 0.5265



27.7021, 0.1533, 0.3225



27.7021, 0.3121, 0.2017



27.7021, 0.4974, 0.2981

Sweetspot

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



27.7032, 0.2796, 0.5265



59.3897, 0.2920, 0.3790



29.9620, 0.3517, 0.5589



13.0663, 0.2895, 0.3868



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.7032, 0.2796, 0.5265



50.2355, 0.2805, 0.5299



29.4566, 0.2333, 0.3599



8.4575, 0.3062, 0.3425



21.4900, 0.2791, 0.5249



0.5331, 0.2602, 0.4568

Inverse Universe

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



8.9741, 0.4589, 0.2302



16.2386, 0.4622, 0.2320



8.1488, 0.6272, 0.3230



7.6131, 0.3198, 0.3159



6.9661, 0.4574, 0.2293



0.1793, 0.4016, 0.1986

Previews

White Background



This preview shows how the Yxy color 27.7021, 0.2796, 0.5265 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 27.7021, 0.2796, 0.5265 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 27.7021, 0.2796, 0.5265

Background



This preview shows how black text looks on a background with the Yxy color 27.7021, 0.2796, 0.5265.



This preview shows how white text looks on a background with the Yxy color 27.7021, 0.2796, 0.5265.

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

27.7021, 0.2796, 0.5265

Protanopia

27.3637, 0.4105, 0.4495

Deuteranopia

27.2581, 0.4222, 0.4136



Tritanopia

27.7623, 0.2349, 0.3076

Trichromacy



Original Color

27.7021, 0.2796, 0.5265



Protanomaly

25.2816, 0.3367, 0.4896



Deuteranomaly

24.7414, 0.3422, 0.4645



Tritanomaly

27.2998, 0.2486, 0.3837

Monochromacy



Original Color

27.7021, 0.2796, 0.5265



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

17.1447, 0.2832, 0.4102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7021, 0.2796, 0.5265 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(0, 166, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 69)  
}
```

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(0, 166, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 69) }
```

Border

The CSS property to change the border of an element to Yxy 27.7021, 0.2796, 0.5265 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(0, 166, 69) }
```

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

```
.border{ border-color:rgb(0, 166, 69) }
```

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

Here you see how a box with a 4 pixel rgb(0, 166, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 166, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.7021, 0.2796, 0.5265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 69) }
```

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

```
.background{ background-color: rgb(0, 166,  
69) }
```

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