

Converting Colors

$Yxy(26.5233, 0.2689, 0.5981)$

Have a look what the booklet for
Yxy(26.5233, 0.2689, 0.5981)
contains.

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Color

$\text{Yxy}(27.7472, 0.2943, 0.5794)$

Conversions

Conversions Part 1

Format	Color
Hex	00A721
RGB	0, 167, 33
RGB Percent	0%, 65%, 13%
CMY	0.9995, 0.3451, 0.8707
CMYK	1.00, 0.00, 0.80, 0.35
HSL	132°, 100%, 33%
HSV	132°, 100%, 65%
XYZ	14.0939, 27.7472, 6.0484
YIQ	101.7910, -56.5180, -77.0780

Conversions

Conversions Part 2

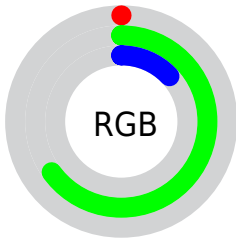
Format	Color
RYB	0, 139, 167
Decimal	42785
CIELab	59.66, -61.47, 54.14
CIELCh	60, 81.912, 138.631
Yxy	27.7472, 0.2943, 0.5794
Android (android.graphics.Color)	4278232865 (0xFF00A721)
YUV	101.7910, -33.9140, -89.2707
Hunter-Lab	52.6756, -44.4228, 30.0650

Details

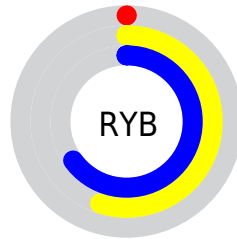
The Yxy color **27.7472, 0.2943, 0.5794** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.9444, 0.3774, 0.1853**, and the grayscale version is **13.3405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8238, 0.3056, 0.5216**, and **11.8103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.7469, 0.2943, 0.5795**, and if you desaturate by 10%, it is **27.9558, 0.2924, 0.5619**.

Distribution



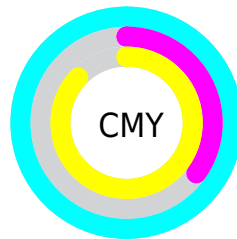
- Red (0%)
- Green (65%)
- Blue (13%)



- Red (0%)
- Yellow (55%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7472, 0.2943, 0.5794 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 27.7472, 0.2943, 0.5794 by changing the saturation by 10% instead.

 27.7472, 0.2943,
0.5794


 27.7472, 0.2943,
0.5794


291.2570, 0.3147,
0.4338


 18.1352, 0.2831,
0.6209


 56.0806, 0.3057,
0.5220


 11.0471, 0.2640,
0.6751


 75.5707, 0.3087,
0.5017


 6.0985, 0.2361,
0.7639

 99.1224, 0.3107,
0.4851

 2.9051, 0.1635,
0.8365

 127.1199, 0.3121,
0.4713

 1.0824, 0.0000,
1.0000

 159.9478, 0.3131,
0.4597

 0.0000, 0.0000,
0.0000

 197.9903, 0.3138,

0.4498

241.6319, 0.3144,
0.4412

■ 27.7472, 0.2943,
0.5794

■ 27.7472, 0.2943,
0.5794

■ 27.7469, 0.2943,
0.5795

■ 27.9558, 0.2924,
0.5619

■ 28.2941, 0.2911,
0.5392

■ 28.8056, 0.2910,
0.5126

■ 29.5106, 0.2922,
0.4835

■ 30.4264, 0.2944,
0.4537

■ 31.5685, 0.2974,
0.4245

■ 32.9506, 0.3010,
0.3970

■ 34.5857, 0.3048,
0.3717

■ 36.4856, 0.3088,
0.3490

Harmonies

Analogous

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



27.7472, 0.4082, 0.5519



27.7472, 0.2943, 0.5794



27.7472, 0.1902, 0.4674

Triad

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



27.7472, 0.2943, 0.5794



27.7472, 0.1274, 0.1561



27.7472, 0.5368, 0.2976

Complementary

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



27.7472, 0.2943, 0.5794



9.9444, 0.3774, 0.1853

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.



27.7472, 0.4195, 0.2281



27.7472, 0.2943, 0.5794



27.7472, 0.1811, 0.1511

Square

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



27.7472, 0.2943, 0.5794



27.7472, 0.1099, 0.1993



27.7472, 0.2809, 0.1760



27.7472, 0.5648, 0.3749

Rectangle

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



27.7472, 0.2943, 0.5794



27.7472, 0.1426, 0.3533



27.7472, 0.2809, 0.1760



27.7472, 0.5054, 0.2734

Sweetspot

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



27.7483, 0.2943, 0.5794



58.8449, 0.3007, 0.3986



32.9067, 0.3875, 0.5305



12.9344, 0.2992, 0.4096



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.



27.7483, 0.2943, 0.5794



49.6687, 0.2950, 0.5819



28.8573, 0.2541, 0.4348



8.4310, 0.3090, 0.3476



21.2376, 0.2939, 0.5781



0.5233, 0.2781, 0.5212

Inverse Universe

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



9.9444, 0.3774, 0.1853



17.7735, 0.3786, 0.1859



8.4752, 0.5682, 0.2904



7.6409, 0.3166, 0.3110



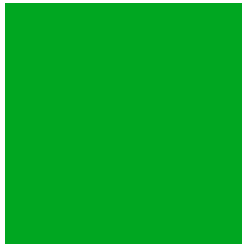
7.6137, 0.3768, 0.1849



0.1915, 0.3553, 0.1731

Previews

White Background



This preview shows how the Yxy color 27.7472, 0.2943, 0.5794 looks on a white background.

Color Contrast Check

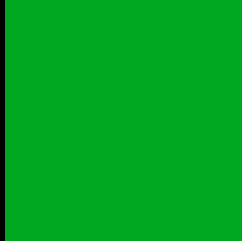
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7472, 0.2943, 0.5794 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 27.7472, 0.2943, 0.5794

Background



This preview shows how black text looks on a background with the Yxy color 27.7472, 0.2943, 0.5794.



This preview shows how white text looks on a background with the Yxy color 27.7472, 0.2943, 0.5794.

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

27.7472, 0.2943, 0.5794

Protanopia

27.3011, 0.4335, 0.4788

Deuteranopia

27.4054, 0.4508, 0.4424



Tritanopia

27.8693, 0.2364, 0.3077

Trichromacy



Original Color

27.7472, 0.2943, 0.5794



Protanomaly

25.4287, 0.3577, 0.5337



Deuteranomaly

24.6193, 0.3670, 0.5073



Tritanomaly

27.0090, 0.2577, 0.4110

Monochromacy



Original Color

27.7472, 0.2943, 0.5794



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

16.5813, 0.2951, 0.4457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7472, 0.2943, 0.5794 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, 167, 33)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 33)  
}
```

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, 167, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 33) }
```

Border

The CSS property to change the border of an element to Yxy 27.7472, 0.2943, 0.5794 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, 167, 33) }
```

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

```
.border{ border-color:rgb(0, 167, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 33);  
box-shadow:4px 4px 4px 4px rgb(0, 167, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 27.7472, 0.2943, 0.5794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 33) }
```

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

```
.background{ background-color: rgb(0, 167,  
33) }
```

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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