

Converting Colors

$Y_{xy}(27.5841, 0.2770, 0.5814)$

Have a look what the booklet for
Yxy(27.5841, 0.2770, 0.5814)
contains.

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Color

Yxy(28.1654, 0.2919, 0.5708)

Conversions

Conversions Part 1

Format	Color
Hex	00A829
RGB	0, 168, 41
RGB Percent	0%, 66%, 16%
CMY	0.9997, 0.3412, 0.8392
CMYK	1.00, 0.00, 0.76, 0.34
HSL	135°, 100%, 33%
HSV	135°, 100%, 66%
XYZ	14.4034, 28.1654, 6.7749
YIQ	103.2900, -59.3610, -75.1130

Conversions

Conversions Part 2

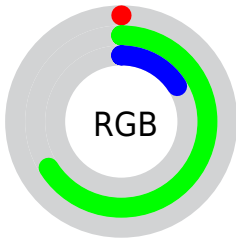
Format	Color
RYB	0, 135, 168
Decimal	43049
CIELab	60.04, -61.18, 51.85
CIELCh	60, 80.194, 139.719
Yxy	28.1654, 0.2919, 0.5708
Android (android.graphics.Color)	4278233129 (0xFF00A829)
YUV	103.2900, -30.7090, -90.5853
Hunter-Lab	53.0711, -44.4297, 29.5810

Details

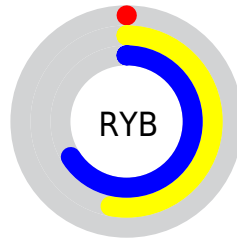
The Yxy color **28.1654, 0.2919, 0.5708** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.8604, 0.3934, 0.1941**, and the grayscale version is **13.7451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0038, 0.3030, 0.5155**, and **12.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.1658, 0.2919, 0.5709**, and if you desaturate by 10%, it is **28.3876, 0.2896, 0.5520**.

Distribution



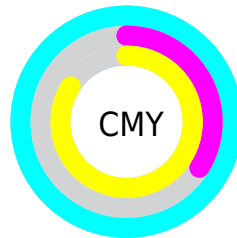
- Red (0%)
- Green (66%)
- Blue (16%)



- Red (0%)
- Yellow (53%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1654, 0.2919, 0.5708 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 28.1654, 0.2919, 0.5708 by changing the saturation by 10% instead.

 28.1654, 0.2919,
0.5708


 28.1654, 0.2919,
0.5708


293.2564, 0.3127,
0.4301


 18.4504, 0.2811,
0.6113


 56.7484, 0.3031,
0.5152

 11.2738, 0.2631,
0.6649


 76.3852, 0.3061,
0.4956

 6.2513, 0.2393,
0.7607


 100.0980, 0.3082,
0.4795

 2.9985, 0.1702,
0.8298

 128.2712, 0.3097,
0.4662

 1.1309, 0.0000,
1.0000

 161.2893, 0.3108,
0.4551

 0.0042, 0.0000,
1.0000

 199.5366, 0.3116,

 0.0000, 0.0000,

0.4455

0.0000

243.3975, 0.3122,
0.4373

■ 28.1654, 0.2919,
0.5708

■ 28.1654, 0.2919,
0.5708

■ 28.1658, 0.2919,
0.5709

■ 28.3876, 0.2896,
0.5520

■ 28.7387, 0.2880,
0.5290

■ 29.2622, 0.2879,
0.5028

■ 29.9783, 0.2892,
0.4747

■ 30.9041, 0.2916,
0.4464

■ 32.0548, 0.2950,
0.4188

■ 33.4442, 0.2991,
0.3930

■ 35.0851, 0.3035,
0.3692

■ 36.9890, 0.3081,
0.3479

Harmonies

Analogous

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



28.1654, 0.4039, 0.5503



28.1654, 0.2919, 0.5708



28.1654, 0.1903, 0.4575

Triad

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



28.1654, 0.2919, 0.5708



28.1654, 0.1318, 0.1586



28.1654, 0.5341, 0.3017

Complementary

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



28.1654, 0.2919, 0.5708



9.8604, 0.3934, 0.1941

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.



28.1654, 0.4221, 0.2325



28.1654, 0.2919, 0.5708



28.1654, 0.1865, 0.1546

Square

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



28.1654, 0.2919, 0.5708



28.1654, 0.1133, 0.1999



28.1654, 0.2863, 0.1803



28.1654, 0.5590, 0.3785

Rectangle

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



28.1654, 0.2919, 0.5708



28.1654, 0.1443, 0.3475



28.1654, 0.2863, 0.1803



28.1654, 0.5045, 0.2776

Sweetspot

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



28.1666, 0.2919, 0.5708



60.5269, 0.2988, 0.3944



32.6590, 0.3789, 0.5373



12.9613, 0.2971, 0.4047



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.



28.1666, 0.2919, 0.5708



51.0810, 0.2927, 0.5736



29.4420, 0.2492, 0.4170



8.4366, 0.3084, 0.3465



21.2762, 0.2915, 0.5693



0.5254, 0.2738, 0.5056

Inverse Universe

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



9.8604, 0.3934, 0.1941



17.8540, 0.3950, 0.1950



8.5147, 0.5858, 0.3001



7.6349, 0.3173, 0.3121



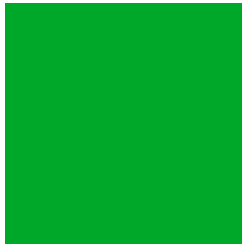
7.4530, 0.3926, 0.1936



0.1887, 0.3646, 0.1782

Previews

White Background



This preview shows how the Yxy color 28.1654, 0.2919, 0.5708 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 28.1654, 0.2919, 0.5708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

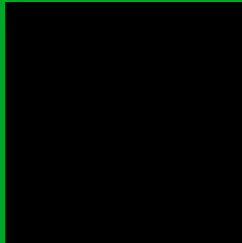
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1654, 0.2919, 0.5708

Background



This preview shows how black text looks on a background with the Yxy color 28.1654, 0.2919, 0.5708.



This preview shows how white text looks on a background with the Yxy color 28.1654, 0.2919, 0.5708.

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

28.1654, 0.2919, 0.5708

Protanopia

27.7492, 0.4300, 0.4740

Deuteranopia

27.7414, 0.4455, 0.4382



Tritanopia

28.2437, 0.2362, 0.3078

Trichromacy



Original Color

28.1654, 0.2919, 0.5708



Protanomaly

25.7996, 0.3539, 0.5272



Deuteranomaly

24.9790, 0.3629, 0.5012



Tritanomaly

27.4304, 0.2562, 0.4062

Monochromacy



Original Color

28.1654, 0.2919, 0.5708



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

16.9162, 0.2934, 0.4398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1654, 0.2919, 0.5708 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, 168, 41)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 41)  
}
```

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, 168, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 41) }
```

Border

The CSS property to change the border of an element to Yxy 28.1654, 0.2919, 0.5708 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, 168, 41) }
```

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

```
.border{ border-color:rgb(0, 168, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 41);  
box-shadow:4px 4px 4px 4px rgb(0, 168, 41)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.1654, 0.2919, 0.5708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 41) }
```

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

```
.background{ background-color: rgb(0, 168,  
41) }
```

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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