

Converting Colors

$Y_{xy}(28.1481, 0.2950, 0.5793)$

Have a look what the booklet for
Yxy(28.1481, 0.2950, 0.5793)
contains.

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Color

Yxy(28.1409, 0.2949, 0.5792)

Conversions

Conversions Part 1

Format	Color
Hex	04A821
RGB	4, 168, 33
RGB Percent	2%, 66%, 13%
CMY	0.9841, 0.3412, 0.8705
CMYK	0.98, 0.00, 0.80, 0.34
HSL	131°, 95%, 34%
HSV	131°, 98%, 66%
XYZ	14.3280, 28.1409, 6.1170
YIQ	103.5740, -54.4090, -76.7530

Conversions

Conversions Part 2

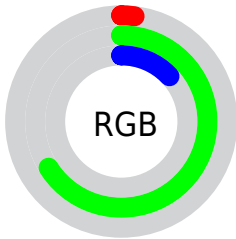
Format	Color
RYB	4, 143, 168
Decimal	305185
CIELab	60.02, -61.55, 54.46
CIElCh	60, 82.187, 138.496
Yxy	28.1409, 0.2949, 0.5792
Android (android.graphics.Color)	4278495265 (0xFF04A821)
YUV	103.5740, -34.7930, -87.3264
Hunter-Lab	53.0480, -44.6222, 30.2969

Details

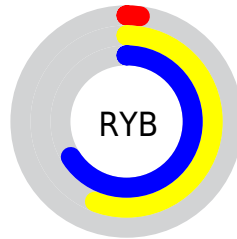
The Yxy color **28.1409, 0.2949, 0.5792** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.2780, 0.3694, 0.1821**, and the grayscale version is **13.8348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9514, 0.3060, 0.5226**, and **12.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.0981, 0.2952, 0.5828**, and if you desaturate by 10%, it is **28.3679, 0.2931, 0.5611**.

Distribution



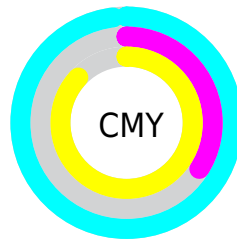
- Red (2%)
- Green (66%)
- Blue (13%)



- Red (2%)
- Yellow (56%)
- Blue (66%)



- Cyan (98%)
- Magenta (0%)
- Yellow (80%)
- Black (34%)




- Cyan (98%)
- Magenta (34%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1409, 0.2949, 0.5792 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 28.1409, 0.2949, 0.5792 by changing the saturation by 10% instead.


 28.1409, 0.2949,
0.5792


 28.1409, 0.2949,
0.5792


293.1396, 0.3150,
0.4341


 18.4319, 0.2838,
0.6204


 56.7093, 0.3061,
0.5221


 11.2605, 0.2650,
0.6741


 76.3375, 0.3091,
0.5019

 6.2423, 0.2377,
0.7623


 100.0409, 0.3110,
0.4853

 2.9930, 0.1678,
0.8322

 128.2039, 0.3124,
0.4715

 1.1281, 0.0000,
1.0000

 161.2109, 0.3134,
0.4599

 0.0018, 0.0000,
1.0000

 199.4462, 0.3141,

 0.0000, 0.0000,

0.4500

0.0000

243.2943, 0.3146,
0.4415

■ 28.1409, 0.2949,
0.5792

■ 28.1409, 0.2949,
0.5792

■ 28.0981, 0.2952,
0.5828

■ 28.3679, 0.2931,
0.5611

■ 28.7451, 0.2922,
0.5376

■ 29.3043, 0.2925,
0.5101

■ 30.0656, 0.2938,
0.4802

■ 31.0463, 0.2961,
0.4498

■ 32.2618, 0.2991,
0.4202

■ 33.7260, 0.3026,
0.3925

■ 35.4520, 0.3062,
0.3671

■ 37.4516, 0.3099,
0.3444

Harmonies

Analogous

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



28.1409, 0.4087, 0.5514



28.1409, 0.2949, 0.5792



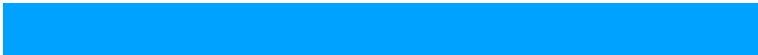
28.1409, 0.1908, 0.4679

Triad

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



28.1409, 0.2949, 0.5792



28.1409, 0.1274, 0.1563



28.1409, 0.5362, 0.2974

Complementary

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



28.1409, 0.2949, 0.5792



10.2780, 0.3694, 0.1821

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.



28.1409, 0.4188, 0.2279



28.1409, 0.2949, 0.5792



28.1409, 0.1809, 0.1513

Square

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



28.1409, 0.2949, 0.5792



28.1409, 0.1100, 0.1997



28.1409, 0.2804, 0.1760



28.1409, 0.5646, 0.3745

Rectangle

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



28.1409, 0.2949, 0.5792



28.1409, 0.1431, 0.3541



28.1409, 0.2804, 0.1760



28.1409, 0.5047, 0.2731

Sweetspot

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



28.1421, 0.2949, 0.5792



60.6459, 0.3019, 0.3977



33.6493, 0.3905, 0.5266



12.9772, 0.3005, 0.4090



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.



28.1421, 0.2949, 0.5792



50.9646, 0.2958, 0.5850



29.2323, 0.2555, 0.4379



8.4286, 0.3093, 0.3481



21.2236, 0.2949, 0.5815



0.5224, 0.2800, 0.5281

Inverse Universe

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



10.2780, 0.3694, 0.1821



18.4242, 0.3720, 0.1823



8.7257, 0.5550, 0.2853



7.6435, 0.3163, 0.3106



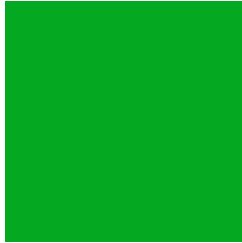
7.6859, 0.3704, 0.1814



0.1928, 0.3515, 0.1710

Previews

White Background



This preview shows how the Yxy color 28.1409, 0.2949, 0.5792 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 28.1409, 0.2949, 0.5792 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 28.1409, 0.2949, 0.5792

Background



This preview shows how black text looks on a background with the Yxy color 28.1409, 0.2949, 0.5792.



This preview shows how white text looks on a background with the Yxy color 28.1409, 0.2949, 0.5792.

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

28.1409, 0.2949, 0.5792

Protanopia

27.7070, 0.4334, 0.4790

Deuteranopia

27.5250, 0.4519, 0.4417



Tritanopia

27.9436, 0.2363, 0.3060

Trichromacy



Original Color

28.1409, 0.2949, 0.5792



Protanomaly

25.8744, 0.3592, 0.5329



Deuteranomaly

25.0672, 0.3686, 0.5068



Tritanomaly

27.0785, 0.2579, 0.4087

Monochromacy



Original Color

28.1409, 0.2949, 0.5792



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.9577, 0.2972, 0.4440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1409, 0.2949, 0.5792 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(4, 168, 33)` looks like.

```
.text, #text, p{  
    color:rgb(4, 168, 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(4, 168, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 168, 33) }
```

Border

The CSS property to change the border of an element to Yxy 28.1409, 0.2949, 0.5792 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(4, 168, 33) }
```

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

```
.border{ border-color:rgb(4, 168, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 168, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 168, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 168, 33);  
box-shadow:4px 4px 4px 4px rgb(4, 168, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.1409, 0.2949, 0.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 168, 33) }
```

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

```
.background{ background-color: rgb(4, 168,  
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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