

Converting Colors

$Yxy(29.0703, 0.2999, 0.5998)$

Have a look what the booklet for
Yxy(29.0703, 0.2999, 0.5998)
contains.

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Color

$\text{Yxy}(29.1280, 0.2999, 0.5996)$

Conversions

Conversions Part 1

Format	Color
Hex	00AB01
RGB	0, 171, 1
RGB Percent	0%, 67%, 0%
CMY	0.9997, 0.3294, 0.9961
CMYK	1.00, 0.00, 0.99, 0.33
HSL	120°, 100%, 34%
HSV	120°, 100%, 67%
XYZ	14.5689, 29.1280, 4.8822
YIQ	100.4910, -47.3460, -89.1220

Conversions

Conversions Part 2

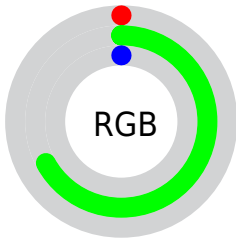
Format	Color
RYB	0, 170, 171
Decimal	43777
CIELab	60.89, -63.85, 61.52
CIELCh	61, 88.671, 136.065
Yxy	29.1280, 0.2999, 0.5996
Android (android.graphics.Color)	4278233857 (0xFF00AB01)
YUV	100.4910, -49.0491, -88.1306
Hunter-Lab	53.9704, -46.2635, 32.4158

Details

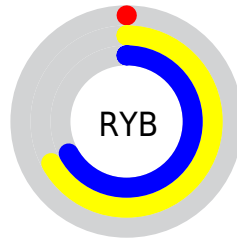
The Yxy color **29.1280, 0.2999, 0.5996** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **11.5651, 0.3222, 0.1549**, and the grayscale version is **13.0189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4141, 0.3118, 0.5404**, and **12.7226, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.1286, 0.2999, 0.5996**, and if you desaturate by 10%, it is **29.2910, 0.3003, 0.5901**.

Distribution



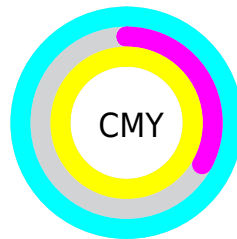
- Red (0%)
- Green (67%)
- Blue (0%)



- Red (0%)
- Yellow (67%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (99%)
- Black (33%)




- Cyan (100%)
- Magenta (33%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1280, 0.2999, 0.5996 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 29.1280, 0.2999, 0.5996 by changing the saturation by 10% instead.

 29.1280, 0.2999,
0.5996


 29.1280, 0.2999,
0.5996


297.8184, 0.3199,
0.4448


 19.1777, 0.2877,
0.6414


 58.2804, 0.3119,
0.5399


 11.7987, 0.2675,
0.6955


 78.2512, 0.3149,
0.5183


 6.6068, 0.2333,
0.7667


 102.3311, 0.3168,
0.5005

 3.2174, 0.1659,
0.8341

 130.9042, 0.3180,
0.4856

 1.2463, 0.0000,
1.0000

 164.3552, 0.3189,
0.4730

 0.0990, 0.0000,
1.0000

 203.0682, 0.3194,


 0.0000, 0.0000,

0.4622


0.0000

 247.4279, 0.3197,
0.4529


 29.1280, 0.2999,
0.5996

 29.1280, 0.2999,
0.5996


 29.1286, 0.2999,
0.5996

 29.2910, 0.3003,
0.5901

 29.5926, 0.3010,
0.5734

 30.0880, 0.3021,
0.5487

 30.8023, 0.3035,
0.5178

 31.7569, 0.3051,
0.4835

■ 32.9705, 0.3068,
0.4482

■ 34.4602, 0.3085,
0.4141

■ 36.2415, 0.3100,
0.3825

■ 38.3286, 0.3115,
0.3540

Harmonies

Analogous

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



29.1280, 0.4182, 0.5542



29.1280, 0.2999, 0.5996



29.1280, 0.1901, 0.4930

Triad

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



29.1280, 0.2999, 0.5996



29.1280, 0.1168, 0.1501



29.1280, 0.5430, 0.2876

Complementary

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



29.1280, 0.2999, 0.5996



11.5651, 0.3222, 0.1549

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.



29.1280, 0.4126, 0.2172



29.1280, 0.2999, 0.5996



29.1280, 0.1681, 0.1428

Square

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



29.1280, 0.2999, 0.5996



29.1280, 0.1016, 0.1978



29.1280, 0.2674, 0.1659



29.1280, 0.5790, 0.3655

Rectangle

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



29.1280, 0.2999, 0.5996



29.1280, 0.1386, 0.3687



29.1280, 0.2674, 0.1659



29.1280, 0.5072, 0.2630

Sweetspot

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



29.1292, 0.2999, 0.5996



61.5492, 0.3084, 0.4160



37.7849, 0.4193, 0.5052



13.4711, 0.3077, 0.4298



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



29.1292, 0.2999, 0.5996



52.1655, 0.2999, 0.5997



29.7915, 0.2722, 0.4997



8.9400, 0.3115, 0.3523



21.9584, 0.2999, 0.5996



0.6111, 0.2993, 0.5976

Inverse Universe

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



11.5651, 0.3222, 0.1549



20.7083, 0.3223, 0.1549



9.3240, 0.4946, 0.2499



8.1473, 0.3138, 0.3068



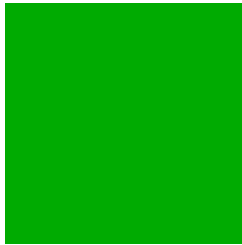
8.7173, 0.3222, 0.1549



0.2427, 0.3218, 0.1546

Previews

White Background



This preview shows how the Yxy color 29.1280, 0.2999, 0.5996 looks on a white background.

Color Contrast Check

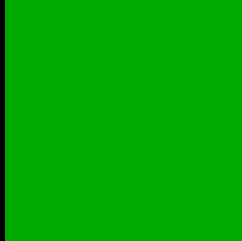
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1280, 0.2999, 0.5996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

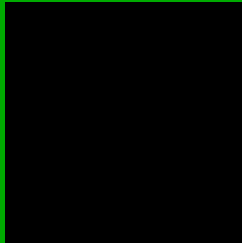
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1280, 0.2999, 0.5996

Background



This preview shows how black text looks on a background with the Yxy color 29.1280, 0.2999, 0.5996.



This preview shows how white text looks on a background with the Yxy color 29.1280, 0.2999, 0.5996.

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

29.1280, 0.2999, 0.5996

Protanopia

28.5571, 0.4409, 0.4881

Deuteranopia

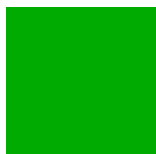
28.7892, 0.4592, 0.4506



Tritanopia

29.1525, 0.2367, 0.3064

Trichromacy



Original Color

29.1280, 0.2999, 0.5996



Protanomaly

26.4459, 0.3643, 0.5490



Deuteranomaly

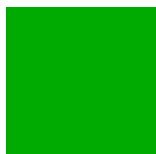
25.9811, 0.3755, 0.5254



Tritanomaly

27.9010, 0.2655, 0.4347

Monochromacy



Original Color

29.1280, 0.2999, 0.5996



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

16.3934, 0.3049, 0.4747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1280, 0.2999, 0.5996 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, 171, 1)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 1)  
}
```

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, 171, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 1) }
```

Border

The CSS property to change the border of an element to Yxy 29.1280, 0.2999, 0.5996 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, 171, 1) }
```

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

```
.border{ border-color:rgb(0, 171, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 171, 1); box-shadow:4px  
4px 4px 4px rgb(0, 171, 1) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1280, 0.2999, 0.5996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 1) }
```

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

```
.background{ background-color: rgb(0, 171,  
1) }
```

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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