

Converting Colors

$Y_{xy}(26.3459, 0.2955, 0.5840)$

Have a look what the booklet for
Yxy(26.3459, 0.2955, 0.5840)
contains.

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Color

Yxy(26.2735, 0.2956, 0.5842)

Conversions

Conversions Part 1

Format	Color
Hex	00A31B
RGB	0, 163, 27
RGB Percent	0%, 64%, 11%
CMY	1.0000, 0.3608, 0.8942
CMYK	1.00, 0.00, 0.83, 0.36
HSL	130°, 100%, 32%
HSV	130°, 100%, 64%
XYZ	13.2942, 26.2735, 5.4058
YIQ	98.7590, -53.4920, -76.8520

Conversions

Conversions Part 2

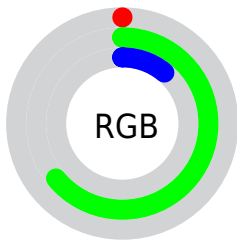
Format	Color
RYB	0, 140, 163
Decimal	41755
CIELab	58.30, -60.70, 54.59
CIELCh	58, 81.633, 138.033
Yxy	26.2735, 0.2956, 0.5842
Android (android.graphics.Color)	4278231835 (0xFF00A31B)
YUV	98.7590, -35.3772, -86.6116
Hunter-Lab	51.2577, -43.4053, 29.6275

Details

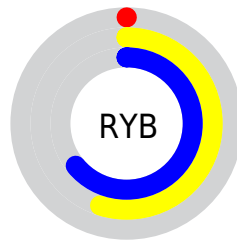
The Yxy color **26.2735, 0.2956, 0.5842** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.5653, 0.3673, 0.1797**, and the grayscale version is **12.5144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5784, 0.3073, 0.5253**, and **10.9373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.2750, 0.2956, 0.5842**, and if you desaturate by 10%, it is **26.4660, 0.2941, 0.5677**.

Distribution



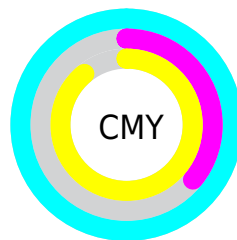
- Red (0%)
- Green (64%)
- Blue (11%)



- Red (0%)
- Yellow (55%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2735, 0.2956, 0.5842 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 26.2735, 0.2956, 0.5842 by changing the saturation by 10% instead.

 26.2735, 0.2956,
0.5842

 26.2735, 0.2956,
0.5842


284.1221, 0.3159,
0.4349


 17.0284, 0.2838,
0.6269


 53.7158, 0.3073,
0.5252


 10.2547, 0.2637,
0.6830


 72.6818, 0.3102,
0.5043


 5.5682, 0.2317,
0.7683

 95.6569, 0.3122,
0.4873

 2.5843, 0.1465,
0.8535

 123.0254, 0.3136,
0.4732

 0.9188, 0.0000,
1.0000

 155.1718, 0.3145,
0.4613

 0.0000, 0.0000,
0.0000

 192.4805, 0.3151,

0.4512

235.3358, 0.3156,
0.4425

■ 26.2735, 0.2956,
0.5842

■ 26.2735, 0.2956,
0.5842

■ 26.2750, 0.2956,
0.5842

■ 26.4660, 0.2941,
0.5677

■ 26.7808, 0.2930,
0.5456

■ 27.2612, 0.2930,
0.5188

■ 27.9266, 0.2941,
0.4892

■ 28.7936, 0.2962,
0.4585

■ 29.8771, 0.2990,
0.4283

■ 31.1903, 0.3022,
0.3998

■ 32.7456, 0.3057,
0.3735

■ 34.5545, 0.3092,
0.3499

Harmonies

Analogous

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



26.2735, 0.4105, 0.5527



26.2735, 0.2956, 0.5842



26.2735, 0.1902, 0.4731

Triad

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



26.2735, 0.2956, 0.5842



26.2735, 0.1249, 0.1546



26.2735, 0.5383, 0.2953

Complementary

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



26.2735, 0.2956, 0.5842



9.5653, 0.3673, 0.1797

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.



26.2735, 0.4181, 0.2255



26.2735, 0.2956, 0.5842



26.2735, 0.1781, 0.1492

Square

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



26.2735, 0.2956, 0.5842



26.2735, 0.1079, 0.1989



26.2735, 0.2778, 0.1737



26.2735, 0.5681, 0.3728

Rectangle

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



26.2735, 0.2956, 0.5842



26.2735, 0.1417, 0.3567



26.2735, 0.2778, 0.1737



26.2735, 0.5060, 0.2710

Sweetspot

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



26.2750, 0.2956, 0.5842



55.7141, 0.3020, 0.4013



31.6466, 0.3933, 0.5259



12.2918, 0.3007, 0.4126



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



26.2750, 0.2956, 0.5842



47.0337, 0.2962, 0.5864



27.2356, 0.2574, 0.4466



7.9133, 0.3095, 0.3483



20.4241, 0.2953, 0.5830



0.4342, 0.2803, 0.5290

Inverse Universe

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



9.5653, 0.3673, 0.1797



17.1043, 0.3682, 0.1802



8.0829, 0.5554, 0.2833



7.1820, 0.3161, 0.3104



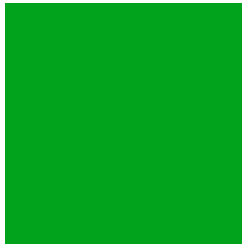
7.4393, 0.3668, 0.1794



0.1614, 0.3477, 0.1689

Previews

White Background



This preview shows how the Yxy color 26.2735, 0.2956, 0.5842 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 26.2735, 0.2956, 0.5842 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

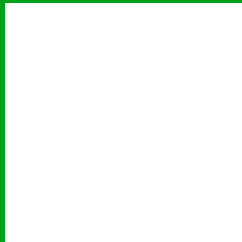
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 26.2735, 0.2956, 0.5842

Background



This preview shows how black text looks on a background with the Yxy color 26.2735, 0.2956, 0.5842.



This preview shows how white text looks on a background with the Yxy color 26.2735, 0.2956, 0.5842.

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

26.2735, 0.2956, 0.5842

Protanopia

25.9748, 0.4349, 0.4826

Deuteranopia

25.6830, 0.4526, 0.4443



Tritanopia

26.3658, 0.2367, 0.3072

Trichromacy



Original Color

26.2735, 0.2956, 0.5842



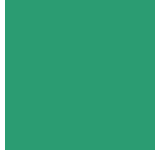
Protanomaly

23.9510, 0.3592, 0.5377



Deuteranomaly

23.1644, 0.3691, 0.5112



Tritanomaly

25.5054, 0.2592, 0.4152

Monochromacy



Original Color

26.2735, 0.2956, 0.5842



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

15.4569, 0.2967, 0.4491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.2735, 0.2956, 0.5842 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, 163, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 27)  
}
```

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, 163, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 27) }
```

Border

The CSS property to change the border of an element to Yxy 26.2735, 0.2956, 0.5842 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, 163, 27) }
```

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

```
.border{ border-color:rgb(0, 163, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 163, 27)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.2735, 0.2956, 0.5842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 27) }
```

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

```
.background{ background-color: rgb(0, 163,  
27) }
```

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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