

Converting Colors

$Y_{xy}(25.5620, 0.2959, 0.5851)$

Have a look what the booklet for
Yxy(25.5620, 0.2959, 0.5851)
contains.

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Color

Yxy(25.5599, 0.2960, 0.5855)

Conversions

Conversions Part 1

Format	Color
Hex	00A119
RGB	0, 161, 25
RGB Percent	0%, 63%, 10%
CMY	0.9994, 0.3686, 0.9019
CMYK	1.00, 0.00, 0.84, 0.37
HSL	129°, 100%, 32%
HSV	129°, 100%, 63%
XYZ	12.9218, 25.5599, 5.1731
YIQ	97.3570, -52.3000, -76.4280

Conversions

Conversions Part 2

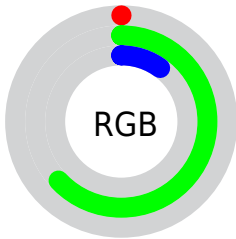
Format	Color
RYB	0, 139, 161
Decimal	41241
CIELab	57.62, -60.22, 54.49
CIELCh	58, 81.210, 137.859
Yxy	25.5599, 0.2960, 0.5855
Android (android.graphics.Color)	4278231321 (0xFF00A119)
YUV	97.3570, -35.6720, -85.3821
Hunter-Lab	50.5568, -42.8515, 29.3231

Details

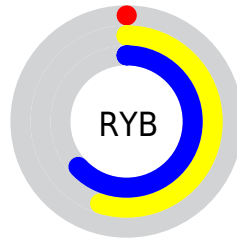
The Yxy color **25.5599, 0.2960, 0.5855** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **9.3614, 0.3638, 0.1778**, and the grayscale version is **12.1582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5256, 0.3078, 0.5252**, and **10.7251, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **25.5595, 0.2960, 0.5856**, and if you desaturate by 10%, it is **25.7461, 0.2946, 0.5693**.

Distribution



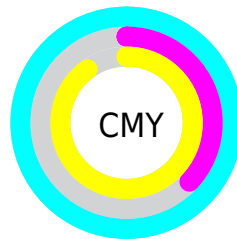
- Red (0%)
- Green (63%)
- Blue (10%)



- Red (0%)
- Yellow (55%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.5599, 0.2960, 0.5855 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 25.5599, 0.2960, 0.5855 by changing the saturation by 10% instead.


 25.5599, 0.2960,
0.5855


 25.5599, 0.2960,
0.5855


280.6149, 0.3163,
0.4349


 16.4947, 0.2840,
0.6287


 52.5641, 0.3078,
0.5258


 9.8749, 0.2636,
0.6860


 71.2719, 0.3107,
0.5048

 5.3161, 0.2299,
0.7701

 93.9626, 0.3127,
0.4876

 2.4339, 0.1362,
0.8638

 121.0208, 0.3140,
0.4734

 0.8432, 0.0000,
1.0000

 152.8307, 0.3149,
0.4615

 0.0000, 0.0000,
0.0000

 189.7767, 0.3156,

0.4513

232.2433, 0.3160,
0.4426

■ 25.5599, 0.2960,
0.5855

■ 25.5599, 0.2960,
0.5855

■ 25.5595, 0.2960,
0.5856

■ 25.7461, 0.2946,
0.5693

■ 26.0525, 0.2936,
0.5473

■ 26.5207, 0.2937,
0.5206

■ 27.1695, 0.2948,
0.4908

■ 28.0152, 0.2969,
0.4598

■ 29.0722, 0.2995,
0.4293

■ 30.3536, 0.3026,
0.4004

■ 31.8713, 0.3060,
0.3738

■ 33.6366, 0.3094,
0.3500

Harmonies

Analogous

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



25.5599, 0.4112, 0.5528



25.5599, 0.2960, 0.5855



25.5599, 0.1902, 0.4747

Triad

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



25.5599, 0.2960, 0.5855



25.5599, 0.1242, 0.1543



25.5599, 0.5387, 0.2947

Complementary

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



25.5599, 0.2960, 0.5855



9.3614, 0.3638, 0.1778

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.



25.5599, 0.4176, 0.2248



25.5599, 0.2960, 0.5855



25.5599, 0.1772, 0.1486

Square

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



25.5599, 0.2960, 0.5855



25.5599, 0.1074, 0.1988



25.5599, 0.2769, 0.1730



25.5599, 0.5690, 0.3722

Rectangle

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



25.5599, 0.2960, 0.5855



25.5599, 0.1414, 0.3577



25.5599, 0.2769, 0.1730



25.5599, 0.5061, 0.2703

Sweetspot

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



25.5610, 0.2960, 0.5855



54.1977, 0.3024, 0.4022



30.7976, 0.3934, 0.5258



11.6794, 0.3012, 0.4134



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



25.5610, 0.2960, 0.5855



45.7561, 0.2966, 0.5877



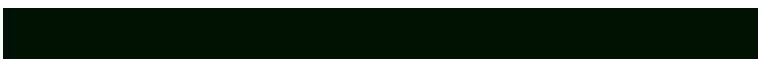
26.5045, 0.2573, 0.4463



7.9121, 0.3096, 0.3485



20.4177, 0.2957, 0.5846



0.4338, 0.2814, 0.5331

Inverse Universe

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



9.3614, 0.3638, 0.1778



16.7348, 0.3647, 0.1783



7.8702, 0.5548, 0.2831



7.1833, 0.3160, 0.3102



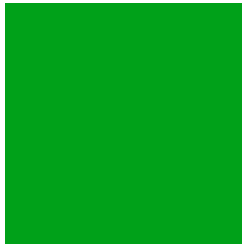
7.4785, 0.3634, 0.1776



0.1619, 0.3458, 0.1679

Previews

White Background



This preview shows how the Yxy color 25.5599, 0.2960, 0.5855 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 25.5599, 0.2960, 0.5855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

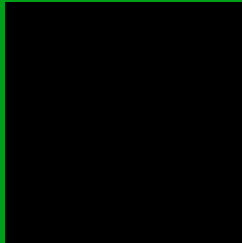
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

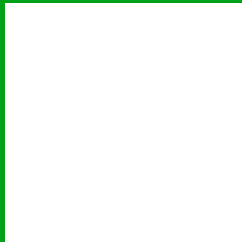
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.5599, 0.2960, 0.5855

Background



This preview shows how black text looks on a background with the Yxy color 25.5599, 0.2960, 0.5855.



This preview shows how white text looks on a background with the Yxy color 25.5599, 0.2960, 0.5855.

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

25.5599, 0.2960, 0.5855

Protanopia

25.1892, 0.4356, 0.4831

Deuteranopia

25.1704, 0.4528, 0.4461



Tritanopia

25.6146, 0.2366, 0.3070

Trichromacy



Original Color

25.5599, 0.2960, 0.5855



Protanomaly

23.2646, 0.3601, 0.5385



Deuteranomaly

22.7884, 0.3698, 0.5131



Tritanomaly

24.7946, 0.2598, 0.4162

Monochromacy



Original Color

25.5599, 0.2960, 0.5855



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

14.9120, 0.2975, 0.4509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5599, 0.2960, 0.5855 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, 161, 25)` looks like.

```
.text, #text, p{  
  color:rgb(0, 161, 25)  
}
```

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, 161, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 25) }
```

Border

The CSS property to change the border of an element to Yxy 25.5599, 0.2960, 0.5855 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, 161, 25) }
```

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

```
.border{ border-color:rgb(0, 161, 25) }
```

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

Here you see how a box with a 4 pixel rgb(0, 161, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 25);  
box-shadow:4px 4px 4px 4px rgb(0, 161, 25)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.5599, 0.2960, 0.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 25) }
```

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

```
.background{ background-color: rgb(0, 161,  
25) }
```

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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