

Converting Colors

$Y_{xy}(21.0462, 0.2766, 0.5977)$

Have a look what the booklet for
Yxy(21.0462, 0.2766, 0.5977)
contains.

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Color

Yxy(21.5608, 0.2955, 0.5839)

Conversions

Conversions Part 1

Format	Color
Hex	009518
RGB	0, 149, 24
RGB Percent	0%, 58%, 9%
CMY	1.0000, 0.4157, 0.9057
CMYK	1.00, 0.00, 0.84, 0.42
HSL	130°, 100%, 29%
HSV	130°, 100%, 58%
XYZ	10.9115, 21.5608, 4.4532
YIQ	90.1990, -48.6790, -70.4630

Conversions

Conversions Part 2

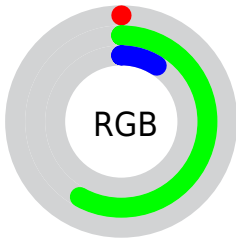
Format	Color
RYB	0, 128, 149
Decimal	38168
CIELab	53.56, -56.81, 51.02
CIELCh	54, 76.358, 138.075
Yxy	21.5608, 0.2955, 0.5839
Android (android.graphics.Color)	4278228248 (0xFF009518)
YUV	90.1990, -32.6361, -79.1045
Hunter-Lab	46.4336, -39.3129, 26.8173

Details

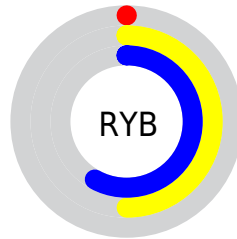
The Yxy color **21.5608, 0.2955, 0.5839** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.8694, 0.3656, 0.1788**, and the grayscale version is **10.3564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8396, 0.3079, 0.5214**, and **8.3657, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.5625, 0.2955, 0.5839**, and if you desaturate by 10%, it is **21.7278, 0.2942, 0.5671**.

Distribution



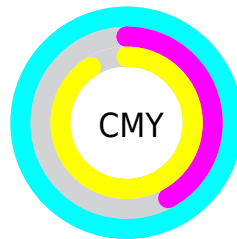
- Red (0%)
- Green (58%)
- Blue (9%)



- Red (0%)
- Yellow (50%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (84%)
- Black (42%)




- Cyan (100%)
- Magenta (42%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5608, 0.2955, 0.5839 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 21.5608, 0.2955, 0.5839 by changing the saturation by 10% instead.

 21.5608, 0.2955,
0.5839


 21.5608, 0.2955,
0.5839


260.2440, 0.3160,
0.4306


 13.5345, 0.2827,
0.6299


 46.0190, 0.3076,
0.5218

 7.7977, 0.2616,
0.6958


 63.2198, 0.3106,
0.5003


 3.9657, 0.2198,
0.7802

 84.2475, 0.3125,
0.4830

 1.6544, 0.0235,
0.9765

 109.4865, 0.3138,
0.4687


 0.3939, 0.0000,
1.0000

 139.3213, 0.3147,
0.4568

 0.0000, 0.0000,
0.0000


 174.1362, 0.3153,

0.4467


 214.3156, 0.3157,
0.4381


 21.5608, 0.2955,
0.5839


 21.5608, 0.2955,
0.5839

 21.5625, 0.2955,
0.5839

 21.7278, 0.2942,
0.5671

 21.9915, 0.2932,
0.5449

 22.3902, 0.2933,
0.5182

 22.9395, 0.2945,
0.4886

 23.6526, 0.2965,
0.4580

■ 24.5415, 0.2992,
0.4280

■ 25.6167, 0.3024,
0.3995

■ 26.8883, 0.3058,
0.3734

■ 28.3653, 0.3093,
0.3499

Harmonies

Analogous

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



21.5608, 0.4103, 0.5527



21.5608, 0.2955, 0.5839



21.5608, 0.1902, 0.4727

Triad

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



21.5608, 0.2955, 0.5839



21.5608, 0.1250, 0.1547



21.5608, 0.5382, 0.2955

Complementary

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



21.5608, 0.2955, 0.5839



7.8694, 0.3656, 0.1788

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.



21.5608, 0.4182, 0.2257



21.5608, 0.2955, 0.5839



21.5608, 0.1783, 0.1493

Square

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



21.5608, 0.2955, 0.5839



21.5608, 0.1080, 0.1989



21.5608, 0.2780, 0.1738



21.5608, 0.5679, 0.3729

Rectangle

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



21.5608, 0.2955, 0.5839



21.5608, 0.1417, 0.3565



21.5608, 0.2780, 0.1738



21.5608, 0.5060, 0.2711

Sweetspot

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



21.5625, 0.2955, 0.5839



45.7461, 0.3022, 0.4012



25.9818, 0.3935, 0.5257



9.9686, 0.3010, 0.4118



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



21.5625, 0.2955, 0.5839



38.5950, 0.2962, 0.5863



22.3567, 0.2571, 0.4457



6.4828, 0.3096, 0.3481



18.1498, 0.2953, 0.5830



0.2250, 0.2790, 0.5243

Inverse Universe

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



7.8694, 0.3656, 0.1788



14.0699, 0.3666, 0.1793



6.6393, 0.5535, 0.2823



5.8933, 0.3160, 0.3106



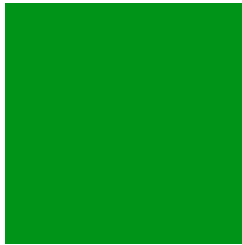
6.6264, 0.3653, 0.1786



0.0846, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 21.5608, 0.2955, 0.5839 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 21.5608, 0.2955, 0.5839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

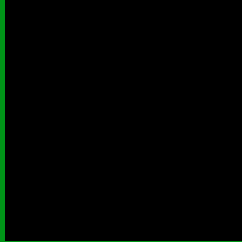
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5608, 0.2955, 0.5839

Background



This preview shows how black text looks on a background with the Yxy color 21.5608, 0.2955, 0.5839.



This preview shows how white text looks on a background with the Yxy color 21.5608, 0.2955, 0.5839.

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

21.5608, 0.2955, 0.5839

Protanopia

21.4113, 0.4351, 0.4819

Deuteranopia

21.2948, 0.4532, 0.4447



Tritanopia

21.6914, 0.2370, 0.3074

Trichromacy



Original Color

21.5608, 0.2955, 0.5839



Protanomaly

19.9341, 0.3598, 0.5375



Deuteranomaly

19.1729, 0.3699, 0.5107



Tritanomaly

21.0757, 0.2595, 0.4157

Monochromacy



Original Color

21.5608, 0.2955, 0.5839



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

12.6321, 0.2969, 0.4489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5608, 0.2955, 0.5839 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, 149, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 24)  
}
```

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, 149, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 24) }
```

Border

The CSS property to change the border of an element to Yxy 21.5608, 0.2955, 0.5839 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, 149, 24) }
```

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

```
.border{ border-color:rgb(0, 149, 24) }
```

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

Here you see how a box with a 4 pixel rgb(0, 149, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 149, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5608, 0.2955, 0.5839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 24) }
```

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

```
.background{ background-color: rgb(0, 149,  
24) }
```

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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