

Converting Colors

$Y_{xy}(26.0195, 0.3152, 0.5879)$

Have a look what the booklet for
Yxy(26.0195, 0.3152, 0.5879)
contains.

Yxy(26.1427, 0.3151, 0.5880)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.1427, 0.3151, 0.5880)

Conversions

Conversions Part 1

Format	Color
Hex	31A100
RGB	49, 161, 0
RGB Percent	19%, 63%, 0%
CMY	0.8081, 0.3686, 0.9999
CMYK	0.70, 0.00, 1.00, 0.37
HSL	102°, 100%, 32%
HSV	102°, 100%, 63%
XYZ	14.0095, 26.1427, 4.3082
YIQ	109.1580, -15.0710, -73.8150

Conversions

Conversions Part 2

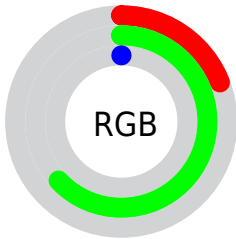
Format	Color
RYB	0, 161, 112
Decimal	3252480
CIELab	58.17, -55.59, 59.73
CIELCh	58, 81.597, 132.943
Yxy	26.1427, 0.3151, 0.5880
Android (android.graphics.Color)	4281442560 (0xFF31A100)
YUV	109.1580, -53.8149, -52.7586
Hunter-Lab	51.1299, -40.5689, 30.7952

Details

The Yxy color **26.1427, 0.3151, 0.5880** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.0254, 0.2461, 0.1129**, and the grayscale version is **15.4963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6043, 0.3242, 0.5300**, and **10.7251, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **26.1432, 0.3151, 0.5880**, and if you desaturate by 10%, it is **26.4954, 0.3196, 0.5755**.

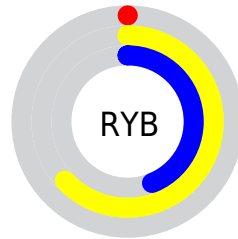
Distribution



Red (19%)

Green (63%)

Blue (0%)



Red (0%)

Yellow (63%)

Blue (44%)

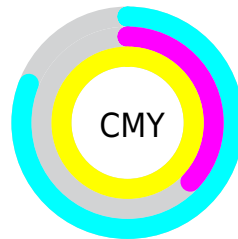


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (37%)



Cyan (81%)


Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1427, 0.3151, 0.5880 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 26.1427, 0.3151, 0.5880 by changing the saturation by 10% instead.


 26.1427, 0.3151,
0.5880


 26.1427, 0.3151,
0.5880


283.4819, 0.3264,
0.4389


 16.9304, 0.3048,
0.6286

 53.5051, 0.3240,
0.5302

 10.1849, 0.2875,
0.6839


 72.4239, 0.3257,
0.5094

 5.5217, 0.2523,
0.7477

 95.3472, 0.3266,
0.4923

 2.5565, 0.1784,
0.8216

 122.6591, 0.3269,
0.4780


 0.9049, 0.0000,
1.0000

 154.7441, 0.3270,
0.4659

 0.0000, 0.0000,
0.0000


 191.9867, 0.3269,


0.4556


 234.7711, 0.3267,
0.4467


 26.1427, 0.3151,
0.5880


 26.1427, 0.3151,
0.5880


 26.1432, 0.3151,
0.5880

 26.4954, 0.3196,
0.5755

 26.9510, 0.3234,
0.5574

 27.5278, 0.3259,
0.5334

 28.2353, 0.3269,
0.5050

 29.0818, 0.3265,
0.4739

■ 30.0749, 0.3250,
0.4420

■ 31.2216, 0.3226,
0.4107

■ 32.5286, 0.3196,
0.3811

■ 34.0018, 0.3162,
0.3537

Harmonies

Analogous

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



26.1427, 0.4293, 0.5389



26.1427, 0.3151, 0.5880



26.1427, 0.2058, 0.5011

Triad

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



26.1427, 0.3151, 0.5880



26.1427, 0.1195, 0.1588



26.1427, 0.5234, 0.2828

Complementary

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



26.1427, 0.3151, 0.5880



6.0254, 0.2461, 0.1129

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.



26.1427, 0.3934, 0.2150



26.1427, 0.3151, 0.5880



26.1427, 0.1659, 0.1478

Square

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



26.1427, 0.3151, 0.5880



26.1427, 0.1081, 0.2116



26.1427, 0.2573, 0.1673



26.1427, 0.5704, 0.3590

Rectangle

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



26.1427, 0.3151, 0.5880



26.1427, 0.1517, 0.3857



26.1427, 0.2573, 0.1673



26.1427, 0.4861, 0.2588

Sweetspot

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



26.1438, 0.3151, 0.5880



55.7823, 0.3227, 0.4125



18.7366, 0.4879, 0.4508



12.0503, 0.3238, 0.4247



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.



26.1438, 0.3151, 0.5880



46.7243, 0.3140, 0.5889



25.5839, 0.2948, 0.5813



7.9945, 0.3160, 0.3519



20.8970, 0.3156, 0.5876



0.4628, 0.3440, 0.5650

Inverse Universe

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



6.0254, 0.2461, 0.1129



10.6801, 0.2447, 0.1122



9.2307, 0.3729, 0.1828



7.0937, 0.3091, 0.3065



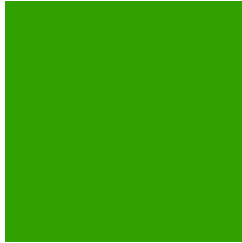
4.8328, 0.2467, 0.1133



0.1245, 0.2750, 0.1288

Previews

White Background



This preview shows how the Yxy color 26.1427, 0.3151, 0.5880 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 26.1427, 0.3151, 0.5880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

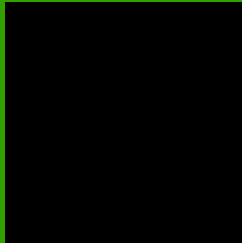
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.1427, 0.3151, 0.5880

Background



This preview shows how black text looks on a background with the Yxy color 26.1427, 0.3151, 0.5880.



This preview shows how white text looks on a background with the Yxy color 26.1427, 0.3151, 0.5880.

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

26.1427, 0.3151, 0.5880

Protanopia

25.6333, 0.4407, 0.4883

Deuteranopia

25.7320, 0.4596, 0.4510



Tritanopia

26.1707, 0.2446, 0.3074

Trichromacy



Original Color

26.1427, 0.3151, 0.5880



Protanomaly

24.7190, 0.3855, 0.5321



Deuteranomaly

24.3700, 0.3975, 0.5093



Tritanomaly

25.3557, 0.2805, 0.4322

Monochromacy



Original Color

26.1427, 0.3151, 0.5880



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

17.8943, 0.3260, 0.4585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1427, 0.3151, 0.5880 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(49, 161, 0)` looks like.

```
.text, #text, p{  
    color:rgb(49, 161, 0)  
}
```

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(49, 161, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 161, 0) }
```

Border

The CSS property to change the border of an element to Yxy 26.1427, 0.3151, 0.5880 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(49, 161, 0) }
```

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

```
.border{ border-color:rgb(49, 161, 0) }
```

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

Here you see how a box with a 4 pixel rgb(49, 161, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 161, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 161, 0);  
box-shadow:4px 4px 4px 4px rgb(49, 161, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 26.1427, 0.3151, 0.5880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 161, 0) }
```

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

```
.background{ background-color: rgb(49, 161,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor