

Converting Colors

$Yxy(27.1927, 0.3003, 0.5998)$

Have a look what the booklet for
Yxy(27.1927, 0.3003, 0.5998)
contains.

Yxy(27.2853, 0.3003, 0.5998)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.2853, 0.3003, 0.5998)

Conversions

Conversions Part 1

Format	Color
Hex	02A600
RGB	2, 166, 0
RGB Percent	1%, 65%, 0%
CMY	0.9922, 0.3490, 1.0000
CMYK	0.99, 0.00, 1.00, 0.35
HSL	119°, 100%, 33%
HSV	119°, 100%, 65%
XYZ	13.6608, 27.2853, 4.5445
YIQ	98.0400, -44.4580, -86.3940

Conversions

Conversions Part 2

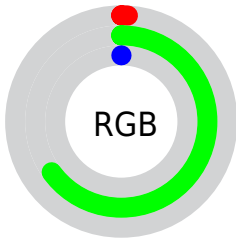
Format	Color
RYB	0, 166, 164
Decimal	173568
CIELab	59.24, -62.39, 60.34
CIELCh	59, 86.799, 135.955
Yxy	27.2853, 0.3003, 0.5998
Android (android.graphics.Color)	4278363648 (0xFF02A600)
YUV	98.0400, -48.3337, -84.2271
Hunter-Lab	52.2353, -44.7296, 31.4065

Details

The Yxy color **27.2853, 0.3003, 0.5998** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.6470, 0.3180, 0.1525**, and the grayscale version is **12.3556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.1033, 0.3122, 0.5386**, and **11.5883, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **27.2866, 0.3003, 0.5998**, and if you desaturate by 10%, it is **27.4454, 0.3008, 0.5901**.

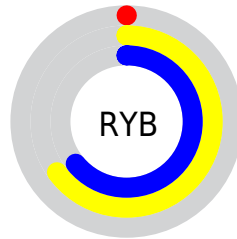
Distribution



Red (1%)

Green (65%)

Blue (0%)



Red (0%)

Yellow (65%)

Blue (64%)

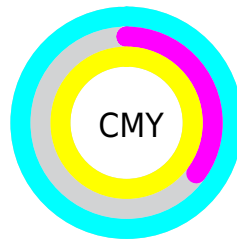


Cyan (99%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (99%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2853, 0.3003, 0.5998 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 27.2853, 0.3003, 0.5998 by changing the saturation by 10% instead.


 27.2853, 0.3003,
0.5998


 27.2853, 0.3003,
0.5998


289.0358, 0.3201,
0.4434


 17.7876, 0.2877,
0.6426

 55.3413, 0.3124,
0.5390

 10.7976, 0.2672,
0.6997


 74.6685, 0.3154,
0.5172

 5.9309, 0.2301,
0.7699


 98.0409, 0.3172,
0.4993

 2.8031, 0.1517,
0.8483

 125.8430, 0.3184,
0.4843

 1.0298, 0.0000,
1.0000


 158.4591, 0.3192,
0.4717


 0.0000, 0.0000,
0.0000


 196.2737, 0.3197,


0.4609

 239.6712, 0.3200,
0.4516


 27.2853, 0.3003,
0.5998

 27.2853, 0.3003,
0.5998

 27.2866, 0.3003,
0.5998

 27.4454, 0.3008,
0.5901

 27.7384, 0.3018,
0.5734

 28.2112, 0.3031,
0.5487

 28.8863, 0.3046,
0.5179

 29.7830, 0.3062,
0.4837

■ 30.9183, 0.3078,
0.4485

■ 32.3075, 0.3092,
0.4144

■ 33.9647, 0.3106,
0.3827

■ 35.9029, 0.3117,
0.3542

Harmonies

Analogous

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



27.2853, 0.4187, 0.5540



27.2853, 0.3003, 0.5998



27.2853, 0.1904, 0.4937

Triad

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



27.2853, 0.3003, 0.5998



27.2853, 0.1167, 0.1501



27.2853, 0.5427, 0.2873

Complementary

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



27.2853, 0.3003, 0.5998



10.6470, 0.3180, 0.1525

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.



27.2853, 0.4121, 0.2169



27.2853, 0.3003, 0.5998



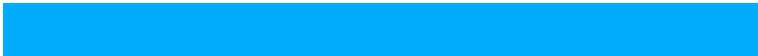
27.2853, 0.1678, 0.1427

Square

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



27.2853, 0.3003, 0.5998



27.2853, 0.1015, 0.1981



27.2853, 0.2669, 0.1657



27.2853, 0.5792, 0.3652

Rectangle

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



27.2853, 0.3003, 0.5998



27.2853, 0.1387, 0.3694



27.2853, 0.2669, 0.1657



27.2853, 0.5068, 0.2627

Sweetspot

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



27.2866, 0.3003, 0.5998



58.4792, 0.3092, 0.4162



34.3859, 0.4222, 0.5030



12.8473, 0.3086, 0.4299



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.2866, 0.3003, 0.5998



49.5137, 0.3002, 0.5998



27.8564, 0.2736, 0.5050



8.4119, 0.3118, 0.3523



21.1599, 0.3003, 0.5997



0.5161, 0.3019, 0.5985

Inverse Universe

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



10.6470, 0.3180, 0.1525



19.3152, 0.3179, 0.1525



8.7755, 0.4872, 0.2458



7.6620, 0.3136, 0.3067



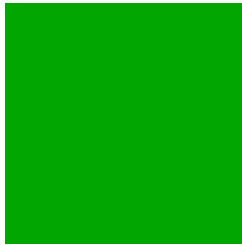
8.2574, 0.3180, 0.1525



0.2023, 0.3190, 0.1531

Previews

White Background



This preview shows how the Yxy color 27.2853, 0.3003, 0.5998 looks on a white background.

Color Contrast Check

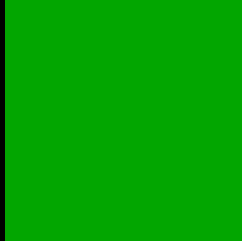
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2853, 0.3003, 0.5998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

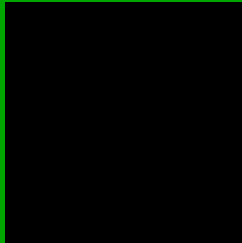
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

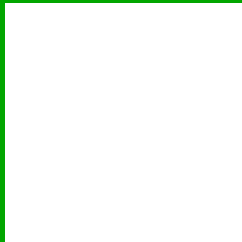
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.2853, 0.3003, 0.5998

Background



This preview shows how black text looks on a background with the Yxy color 27.2853, 0.3003, 0.5998.



This preview shows how white text looks on a background with the Yxy color 27.2853, 0.3003, 0.5998.

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

27.2853, 0.3003, 0.5998

Protanopia

26.8196, 0.4403, 0.4886

Deuteranopia

26.6425, 0.4593, 0.4499



Tritanopia

27.2033, 0.2367, 0.3058

Trichromacy



Original Color

27.2853, 0.3003, 0.5998



Protanomaly

25.0168, 0.3651, 0.5483



Deuteranomaly

24.1970, 0.3766, 0.5245



Tritanomaly

26.0522, 0.2661, 0.4357

Monochromacy



Original Color

27.2853, 0.3003, 0.5998



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

15.5705, 0.3067, 0.4775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2853, 0.3003, 0.5998 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(2, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 166, 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(2, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 166, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.2853, 0.3003, 0.5998 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(2, 166, 0) }
```

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

```
.border{ border-color:rgb(2, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 166, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 166, 0); box-shadow:4px  
4px 4px 4px rgb(2, 166, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2853, 0.3003, 0.5998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 166, 0) }
```

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

```
.background{ background-color: rgb(2, 166,  
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