

Converting Colors

$Y_{xy}(18.8446, 0.2989, 0.5962)$

Have a look what the booklet for
Yxy(18.8446, 0.2989, 0.5962)
contains.

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Color

Yxy(18.7693, 0.2990, 0.5962)

Conversions

Conversions Part 1

Format	Color
Hex	008C06
RGB	0, 140, 6
RGB Percent	0%, 55%, 2%
CMY	0.9992, 0.4510, 0.9764
CMYK	1.00, 0.00, 0.96, 0.45
HSL	122°, 100%, 27%
HSV	122°, 100%, 55%
XYZ	9.4130, 18.7693, 3.2993
YIQ	82.8640, -40.4260, -71.3540

Conversions

Conversions Part 2

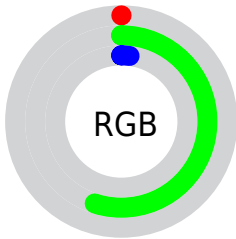
Format	Color
RYB	0, 134, 140
Decimal	35846
CIELab	50.42, -54.95, 52.16
CIELCh	50, 75.760, 136.491
Yxy	18.7693, 0.2990, 0.5962
Android (android.graphics.Color)	4278225926 (0xFF008C06)
YUV	82.8640, -37.8940, -72.6717
Hunter-Lab	43.3236, -37.0332, 25.8113

Details

The Yxy color **18.7693, 0.2990, 0.5962** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.3066, 0.3313, 0.1600**, and the grayscale version is **8.7198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3912, 0.3117, 0.5302**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.7682, 0.2990, 0.5964**, and if you desaturate by 10%, it is **18.8991, 0.2993, 0.5841**.

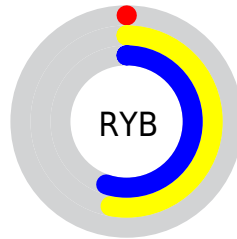
Distribution



Red (0%)

Green (55%)

Blue (2%)



Red (0%)

Yellow (53%)

Blue (55%)

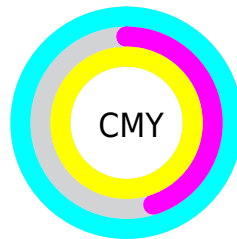


Cyan (100%)

Magenta (0%)

Yellow (96%)

Black (45%)



Cyan (100%)


Magenta (45%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7693, 0.2990, 0.5962 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 18.7693, 0.2990, 0.5962 by changing the saturation by 10% instead.


 18.7693, 0.2990,
0.5962


 18.7693, 0.2990,
0.5962


245.1722, 0.3191,
0.4333


 11.5037, 0.2845,
0.6454


 41.3439, 0.3119,
0.5297


 6.4067, 0.2656,
0.7322


 57.4217, 0.3148,
0.5068


 3.0939, 0.2069,
0.7931

 77.2057, 0.3166,
0.4884

 1.1810, 0.0000,
1.0000

 101.0802, 0.3177,
0.4733


 0.0461, 0.0000,
1.0000


 129.4298, 0.3184,
0.4608


 0.0000, 0.0000,
0.0000


 162.6387, 0.3188,

0.4502


 201.0914, 0.3190,
0.4411


 18.7693, 0.2990,
0.5962


 18.7693, 0.2990,
0.5962


 18.7682, 0.2990,
0.5964

 18.8991, 0.2993,
0.5841

 19.1144, 0.2996,
0.5650

 19.4517, 0.3004,
0.5390

 19.9254, 0.3017,
0.5082

 20.5481, 0.3033,
0.4749

■ 21.3307, 0.3052,
0.4413

■ 22.2832, 0.3072,
0.4090

■ 23.4148, 0.3091,
0.3792

■ 24.7341, 0.3110,
0.3524

Harmonies

Analogous

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



18.7693, 0.4166, 0.5540



18.7693, 0.2990, 0.5962



18.7693, 0.1902, 0.4884

Triad

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



18.7693, 0.2990, 0.5962



18.7693, 0.1186, 0.1511



18.7693, 0.5419, 0.2893

Complementary

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



18.7693, 0.2990, 0.5962



7.3066, 0.3313, 0.1600

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.



18.7693, 0.4139, 0.2191



18.7693, 0.2990, 0.5962



18.7693, 0.1703, 0.1442

Square

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



18.7693, 0.2990, 0.5962



18.7693, 0.1030, 0.1981



18.7693, 0.2697, 0.1676



18.7693, 0.5766, 0.3672

Rectangle

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



18.7693, 0.2990, 0.5962



18.7693, 0.1393, 0.3660



18.7693, 0.2697, 0.1676



18.7693, 0.5069, 0.2648

Sweetspot

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



18.7701, 0.2990, 0.5962



39.1445, 0.3070, 0.4115



23.9350, 0.4136, 0.5097



8.8695, 0.3063, 0.4233



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.7701, 0.2990, 0.5962



33.0846, 0.2993, 0.5973



19.2617, 0.2682, 0.4855



5.6114, 0.3111, 0.3506



16.6778, 0.2989, 0.5961



0.1112, 0.2940, 0.5783

Inverse Universe

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



7.3066, 0.3313, 0.1600



12.8676, 0.3316, 0.1600



5.9668, 0.5047, 0.2555



5.1255, 0.3143, 0.3083



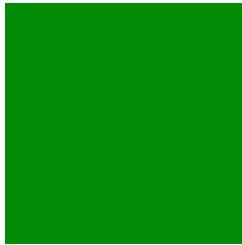
6.4888, 0.3313, 0.1599



0.0436, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 18.7693, 0.2990, 0.5962 looks on a white background.

Color Contrast Check

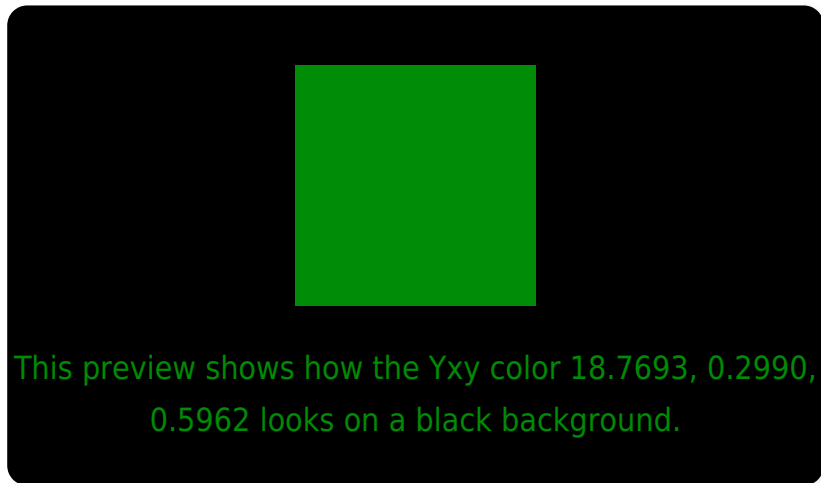
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 18.7693, 0.2990, 0.5962

Background



This preview shows how black text looks on a background with the Yxy color 18.7693, 0.2990, 0.5962.



This preview shows how white text looks on a background with the Yxy color 18.7693, 0.2990, 0.5962.

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

18.7693, 0.2990, 0.5962

Protanopia

18.5838, 0.4397, 0.4891

Deuteranopia

18.3932, 0.4570, 0.4488



Tritanopia

18.8182, 0.2374, 0.3061

Trichromacy



Original Color

18.7693, 0.2990, 0.5962



Protanomaly

17.1616, 0.3647, 0.5471



Deuteranomaly

16.7106, 0.3753, 0.5204



Tritanomaly

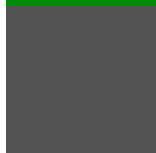
18.2350, 0.2646, 0.4286

Monochromacy



Original Color

18.7693, 0.2990, 0.5962



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

10.9333, 0.3039, 0.4674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7693, 0.2990, 0.5962 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, 140, 6)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 6)  
}
```

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, 140, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 6) }
```

Border

The CSS property to change the border of an element to Yxy 18.7693, 0.2990, 0.5962 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, 140, 6) }
```

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

```
.border{ border-color:rgb(0, 140, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 140, 6); box-shadow:4px  
4px 4px 4px rgb(0, 140, 6) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7693, 0.2990, 0.5962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 6) }
```

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

```
.background{ background-color: rgb(0, 140,  
6) }
```

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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