

Converting Colors

$Y_{xy}(14.8918, 0.1510, 0.6755)$

Have a look what the booklet for
Yxy(14.8918, 0.1510, 0.6755)
contains.

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Color

Yxy(17.9752, 0.2933, 0.5758)

Conversions

Conversions Part 1

Format	Color
Hex	00891C
RGB	0, 137, 28
RGB Percent	0%, 54%, 11%
CMY	0.9997, 0.4627, 0.8901
CMYK	1.00, 0.00, 0.80, 0.46
HSL	132°, 100%, 27%
HSV	132°, 100%, 54%
XYZ	9.1562, 17.9752, 4.0864
YIQ	83.6110, -46.6630, -62.9430

Conversions

Conversions Part 2

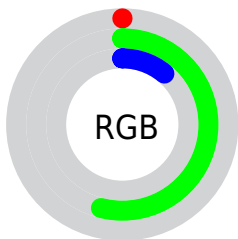
Format	Color
RYB	0, 114, 137
Decimal	35100
CIELab	49.47, -52.97, 45.91
CIELCh	49, 70.100, 139.085
Yxy	17.9752, 0.2933, 0.5758
Android (android.graphics.Color)	4278225180 (0xFF00891C)
YUV	83.6110, -27.4162, -73.3268
Hunter-Lab	42.3972, -35.6458, 23.9634

Details

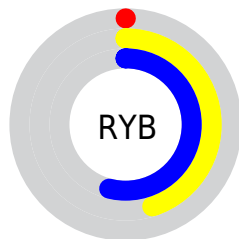
The Yxy color **17.9752, 0.2933, 0.5758** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.4258, 0.3787, 0.1860**, and the grayscale version is **8.8520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1324, 0.3052, 0.5125**, and **6.4970, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.9751, 0.2933, 0.5759**, and if you desaturate by 10%, it is **18.1291, 0.2917, 0.5573**.

Distribution



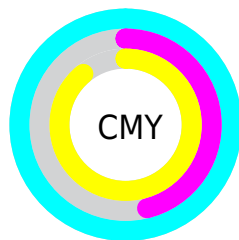
- Red (0%)
- Green (54%)
- Blue (11%)



- Red (0%)
- Yellow (45%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9752, 0.2933, 0.5758 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 17.9752, 0.2933, 0.5758 by changing the saturation by 10% instead.


 17.9752, 0.2933,
0.5758


 17.9752, 0.2933,
0.5758


240.7312, 0.3143,
0.4234


 10.9322, 0.2800,
0.6245


 39.9951, 0.3056,
0.5123


 6.0213, 0.2589,
0.7012

 55.7407, 0.3086,
0.4910


 2.8580, 0.2090,
0.7910

 75.1560, 0.3106,
0.4739

 1.0581, 0.0000,
1.0000

 98.6253, 0.3119,
0.4600


 0.0000, 0.0000,
0.0000


 126.5332, 0.3128,
0.4484


 159.2638, 0.3135,


0.4387


 197.2017, 0.3140,
0.4305

 17.9752, 0.2933,
0.5758


 17.9752, 0.2933,
0.5758


 17.9751, 0.2933,
0.5759

 18.1291, 0.2917,
0.5573

 18.3599, 0.2905,
0.5344

 18.7007, 0.2906,
0.5078

 19.1636, 0.2919,
0.4792

 19.7590, 0.2942,
0.4501

■ 20.4963, 0.2973,
0.4218

■ 21.3841, 0.3008,
0.3951

■ 22.4300, 0.3047,
0.3706

■ 23.6414, 0.3088,
0.3485

Harmonies

Analogous

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



17.9752, 0.4064, 0.5513



17.9752, 0.2933, 0.5758



17.9752, 0.1903, 0.4632

Triad

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



17.9752, 0.2933, 0.5758



17.9752, 0.1292, 0.1571



17.9752, 0.5357, 0.2994

Complementary

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



17.9752, 0.2933, 0.5758



6.4258, 0.3787, 0.1860

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.



17.9752, 0.4206, 0.2299



17.9752, 0.2933, 0.5758



17.9752, 0.1833, 0.1526

Square

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



17.9752, 0.2933, 0.5758



17.9752, 0.1113, 0.1995



17.9752, 0.2832, 0.1778



17.9752, 0.5623, 0.3764

Rectangle

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



17.9752, 0.2933, 0.5758



17.9752, 0.1433, 0.3509



17.9752, 0.2832, 0.1778



17.9752, 0.5050, 0.2751

Sweetspot

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



17.9759, 0.2933, 0.5758



38.1704, 0.3006, 0.3969



21.1822, 0.3852, 0.5323



8.4263, 0.2992, 0.4064



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.9759, 0.2933, 0.5758



32.1701, 0.2942, 0.5790



18.7352, 0.2520, 0.4270



5.6238, 0.3091, 0.3469



16.7451, 0.2932, 0.5755



0.1130, 0.2744, 0.5078

Inverse Universe

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



6.4258, 0.3787, 0.1860



11.4797, 0.3802, 0.1868



5.4814, 0.5700, 0.2915



5.1118, 0.3166, 0.3118



5.9853, 0.3785, 0.1859



0.0418, 0.3471, 0.1686

Previews

White Background



This preview shows how the Yxy color 17.9752, 0.2933, 0.5758 looks on a white 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

Black Background



This preview shows how the Yxy color 17.9752, 0.2933, 0.5758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

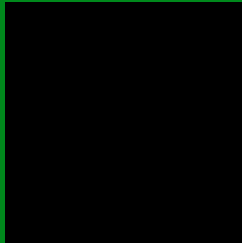
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9752, 0.2933, 0.5758

Background



This preview shows how black text looks on a background with the Yxy color 17.9752, 0.2933, 0.5758.



This preview shows how white text looks on a background with the Yxy color 17.9752, 0.2933, 0.5758.

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

17.9752, 0.2933, 0.5758

Protanopia

17.6900, 0.4321, 0.4768

Deuteranopia

17.6331, 0.4478, 0.4406



Tritanopia

18.1432, 0.2374, 0.3078

Trichromacy



Original Color

17.9752, 0.2933, 0.5758



Protanomaly

16.3703, 0.3572, 0.5297



Deuteranomaly

15.8875, 0.3659, 0.5033



Tritanomaly

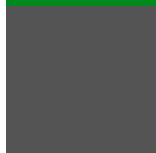
17.4895, 0.2576, 0.4078

Monochromacy



Original Color

17.9752, 0.2933, 0.5758



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

10.8275, 0.2941, 0.4396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9752, 0.2933, 0.5758 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, 137, 28)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 28)  
}
```

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, 137, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 28) }
```

Border

The CSS property to change the border of an element to Yxy 17.9752, 0.2933, 0.5758 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, 137, 28) }
```

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

```
.border{ border-color:rgb(0, 137, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 137, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 28);  
box-shadow:4px 4px 4px 4px rgb(0, 137, 28)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.9752, 0.2933, 0.5758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 28) }
```

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

```
.background{ background-color: rgb(0, 137,  
28) }
```

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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