

Converting Colors

$Y_{xy}(17.3357, 0.2720, 0.6104)$

Have a look what the booklet for
Yxy(17.3357, 0.2720, 0.6104)
contains.

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Color

Yxy(17.9230, 0.2974, 0.5906)

Conversions

Conversions Part 1

Format	Color
Hex	00890E
RGB	0, 137, 14
RGB Percent	0%, 54%, 5%
CMY	0.9998, 0.4627, 0.9451
CMYK	1.00, 0.00, 0.90, 0.46
HSL	126°, 100%, 27%
HSV	126°, 100%, 54%
XYZ	9.0252, 17.9230, 3.3989
YIQ	82.0150, -42.1690, -67.2970

Conversions

Conversions Part 2

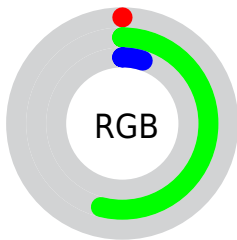
Format	Color
RYB	0, 124, 137
Decimal	35086
CIELab	49.40, -53.80, 49.79
CIELCh	49, 73.303, 137.216
Yxy	17.9230, 0.2974, 0.5906
Android (android.graphics.Color)	4278225166 (0xFF00890E)
YUV	82.0150, -33.5314, -71.9272
Hunter-Lab	42.3356, -36.0340, 24.8748

Details

The Yxy color **17.9230, 0.2974, 0.5906** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.7506, 0.3476, 0.1689**, and the grayscale version is **8.5186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0520, 0.3101, 0.5246**, and **6.4970, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.9234, 0.2974, 0.5906**, and if you desaturate by 10%, it is **18.0590, 0.2969, 0.5758**.

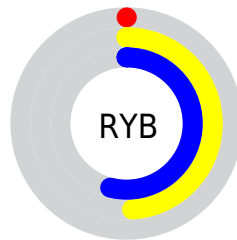
Distribution



Red (0%)

Green (54%)

Blue (5%)



Red (0%)

Yellow (49%)

Blue (54%)

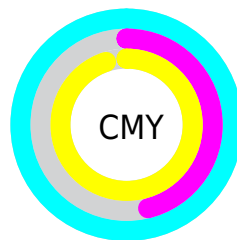


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (46%)



Cyan (100%)


Magenta (46%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9230, 0.2974, 0.5906 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 17.9230, 0.2974, 0.5906 by changing the saturation by 10% instead.


 17.9230, 0.2974,
0.5906


 17.9230, 0.2974,
0.5906


240.4367, 0.3177,
0.4297


 10.8947, 0.2830,
0.6404


 39.9061, 0.3102,
0.5243


 5.9961, 0.2639,
0.7284

 55.6297, 0.3131,
0.5017


 2.8427, 0.2039,
0.7961

 75.0205, 0.3149,
0.4836

 1.0502, 0.0000,
1.0000


 98.4629, 0.3161,
0.4688


 0.0000, 0.0000,
0.0000


 126.3413, 0.3168,
0.4565


 159.0402, 0.3173,


0.4462


 196.9438, 0.3176,
0.4373


 17.9230, 0.2974,
0.5906


 17.9230, 0.2974,
0.5906

 17.9234, 0.2974,
0.5906

 18.0590, 0.2969,
0.5758

 18.2747, 0.2966,
0.5548

 18.6043, 0.2970,
0.5281

 19.0608, 0.2982,
0.4978

 19.6554, 0.3000,
0.4659

■ 20.3981, 0.3023,
0.4342

■ 21.2980, 0.3048,
0.4040

■ 22.3633, 0.3075,
0.3762

■ 23.6019, 0.3101,
0.3511

Harmonies

Analogous

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



17.9230, 0.4137, 0.5535



17.9230, 0.2974, 0.5906



17.9230, 0.1902, 0.4811

Triad

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



17.9230, 0.2974, 0.5906



17.9230, 0.1216, 0.1528



17.9230, 0.5403, 0.2922

Complementary

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



17.9230, 0.2974, 0.5906



6.7506, 0.3476, 0.1689

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.



17.9230, 0.4159, 0.2221



17.9230, 0.2974, 0.5906



17.9230, 0.1740, 0.1465

Square

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



17.9230, 0.2974, 0.5906



17.9230, 0.1053, 0.1984



17.9230, 0.2736, 0.1705



17.9230, 0.5726, 0.3698

Rectangle

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



17.9230, 0.2974, 0.5906



17.9230, 0.1404, 0.3615



17.9230, 0.2736, 0.1705



17.9230, 0.5065, 0.2677

Sweetspot

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



17.9237, 0.2974, 0.5906



38.0190, 0.3046, 0.4060



22.1254, 0.4023, 0.5188



8.3903, 0.3037, 0.4168



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.



17.9237, 0.2974, 0.5906



32.0844, 0.2980, 0.5926



18.5046, 0.2618, 0.4623



5.6160, 0.3104, 0.3492



16.6961, 0.2973, 0.5903



0.1119, 0.2860, 0.5496

Inverse Universe

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



6.7506, 0.3476, 0.1689



12.0732, 0.3483, 0.1692



5.5936, 0.5318, 0.2704



5.1203, 0.3152, 0.3096



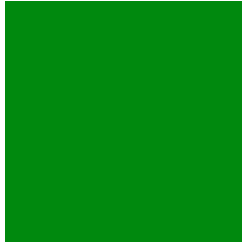
6.2881, 0.3476, 0.1688



0.0429, 0.3331, 0.1608

Previews

White Background



This preview shows how the Yxy color 17.9230, 0.2974, 0.5906 looks on a white background.

Color Contrast Check

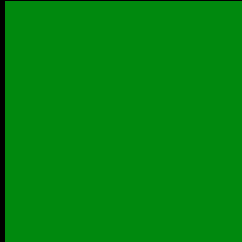
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9230, 0.2974, 0.5906 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 17.9230, 0.2974, 0.5906

Background



This preview shows how black text looks on a background with the Yxy color 17.9230, 0.2974, 0.5906.



This preview shows how white text looks on a background with the Yxy color 17.9230, 0.2974, 0.5906.

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

17.9230, 0.2974, 0.5906

Protanopia

17.6325, 0.4396, 0.4878

Deuteranopia

17.6762, 0.4553, 0.4477



Tritanopia

17.8836, 0.2369, 0.3056

Trichromacy



Original Color

17.9230, 0.2974, 0.5906



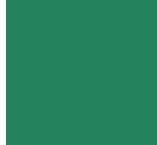
Protanomaly

16.3133, 0.3637, 0.5446



Deuteranomaly

15.8828, 0.3740, 0.5162



Tritanomaly

17.3980, 0.2616, 0.4206

Monochromacy



Original Color

17.9230, 0.2974, 0.5906



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

10.5282, 0.3006, 0.4583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9230, 0.2974, 0.5906 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, 14)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 14)  
}
```

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, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 14) }
```

Border

The CSS property to change the border of an element to Yxy 17.9230, 0.2974, 0.5906 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, 14) }
```

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

```
.border{ border-color:rgb(0, 137, 14) }
```

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, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 14);  
box-shadow:4px 4px 4px 4px rgb(0, 137, 14)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.9230, 0.2974, 0.5906 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, 14) }
```

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

```
.background{ background-color: rgb(0, 137,  
14) }
```

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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