

Converting Colors

$Y_{xy}(17.5077, 0.2811, 0.6068)$

Have a look what the booklet for
Yxy(17.5077, 0.2811, 0.6068)
contains.

Yxy(17.9132, 0.2982, 0.5935)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.9132, 0.2982, 0.5935)

Conversions

Conversions Part 1

Format	Color
Hex	00890A
RGB	0, 137, 10
RGB Percent	0%, 54%, 4%
CMY	0.9999, 0.4627, 0.9610
CMYK	1.00, 0.00, 0.93, 0.46
HSL	124°, 100%, 27%
HSV	124°, 100%, 54%
XYZ	9.0004, 17.9132, 3.2687
YIQ	81.5590, -40.8850, -68.5410

Conversions

Conversions Part 2

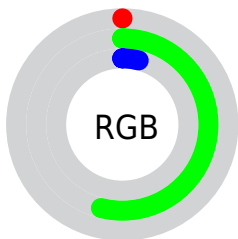
Format	Color
RYB	0, 128, 137
Decimal	35082
CIELab	49.39, -53.96, 50.58
CIELCh	49, 73.959, 136.848
Yxy	17.9132, 0.2982, 0.5935
Android (android.graphics.Color)	4278225162 (0xFF00890A)
YUV	81.5590, -35.2786, -71.5272
Hunter-Lab	42.3240, -36.1082, 25.0477

Details

The Yxy color **17.9132, 0.2982, 0.5935** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6.8531, 0.3395, 0.1644**, and the grayscale version is **8.4233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0263, 0.3110, 0.5273**, and **6.4970, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.9138, 0.2982, 0.5935**, and if you desaturate by 10%, it is **18.0436, 0.2982, 0.5801**.

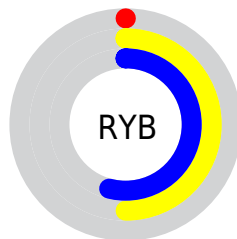
Distribution



Red (0%)

Green (54%)

Blue (4%)



Red (0%)

Yellow (50%)

Blue (54%)

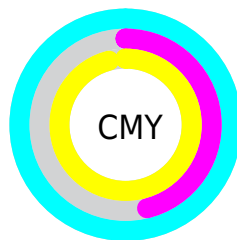


Cyan (100%)

Magenta (0%)

Yellow (93%)

Black (46%)



Cyan (100%)


Magenta (46%)


Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9132, 0.2982, 0.5935 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 17.9132, 0.2982, 0.5935 by changing the saturation by 10% instead.


 17.9132, 0.2982,
0.5935


 17.9132, 0.2982,
0.5935


240.3813, 0.3184,
0.4310


 10.8877, 0.2836,
0.6435


 39.8894, 0.3111,
0.5267


 5.9914, 0.2651,
0.7342

 55.6088, 0.3140,
0.5038


 2.8398, 0.2030,
0.7970

 74.9950, 0.3158,
0.4855

 1.0487, 0.0000,
1.0000


 98.4324, 0.3169,
0.4706


 0.0000, 0.0000,
0.0000


 126.3053, 0.3176,
0.4581


 158.9982, 0.3181,


0.4477


 196.8954, 0.3183,
0.4387


 17.9132, 0.2982,
0.5935


 17.9132, 0.2982,
0.5935

 17.9138, 0.2982,
0.5935

 18.0436, 0.2982,
0.5801

 18.2543, 0.2981,
0.5599

 18.5799, 0.2987,
0.5336

 19.0337, 0.2999,
0.5030

 19.6273, 0.3016,
0.4704

■ 20.3708, 0.3037,
0.4377

■ 21.2735, 0.3060,
0.4066

■ 22.3439, 0.3083,
0.3778

■ 23.5900, 0.3105,
0.3519

Harmonies

Analogous

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



17.9132, 0.4152, 0.5538



17.9132, 0.2982, 0.5935



17.9132, 0.1901, 0.4848

Triad

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



17.9132, 0.2982, 0.5935



17.9132, 0.1200, 0.1519



17.9132, 0.5411, 0.2907

Complementary

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



17.9132, 0.2982, 0.5935



6.8531, 0.3395, 0.1644

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.



17.9132, 0.4149, 0.2206



17.9132, 0.2982, 0.5935



17.9132, 0.1721, 0.1453

Square

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



17.9132, 0.2982, 0.5935



17.9132, 0.1041, 0.1982



17.9132, 0.2716, 0.1690



17.9132, 0.5746, 0.3685

Rectangle

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



17.9132, 0.2982, 0.5935



17.9132, 0.1398, 0.3637



17.9132, 0.2716, 0.1690



17.9132, 0.5068, 0.2662

Sweetspot

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



17.9139, 0.2982, 0.5935



37.9769, 0.3058, 0.4086



22.4712, 0.4080, 0.5142



8.3803, 0.3050, 0.4198



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.



17.9139, 0.2982, 0.5935



32.0690, 0.2987, 0.5952



18.4371, 0.2650, 0.4739



5.6137, 0.3107, 0.3499



16.6868, 0.2981, 0.5933



0.1115, 0.2898, 0.5632

Inverse Universe

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



6.8531, 0.3395, 0.1644



12.2612, 0.3399, 0.1646



5.6387, 0.5183, 0.2629



5.1228, 0.3147, 0.3090



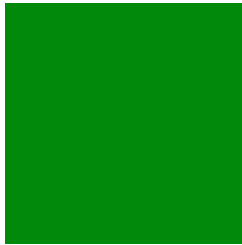
6.3837, 0.3395, 0.1644



0.0433, 0.3294, 0.1588

Previews

White Background



This preview shows how the Yxy color 17.9132, 0.2982, 0.5935 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 17.9132, 0.2982, 0.5935 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 17.9132, 0.2982, 0.5935

Background



This preview shows how black text looks on a background with the Yxy color 17.9132, 0.2982, 0.5935.



This preview shows how white text looks on a background with the Yxy color 17.9132, 0.2982, 0.5935.

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

17.9132, 0.2982, 0.5935

Protanopia

17.6281, 0.4402, 0.4887

Deuteranopia

17.6709, 0.4560, 0.4485



Tritanopia

17.8836, 0.2369, 0.3056

Trichromacy



Original Color

17.9132, 0.2982, 0.5935



Protanomaly

16.3089, 0.3643, 0.5457



Deuteranomaly

15.8745, 0.3750, 0.5182



Tritanomaly

17.3630, 0.2632, 0.4258

Monochromacy



Original Color

17.9132, 0.2982, 0.5935



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

10.5183, 0.3017, 0.4612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9132, 0.2982, 0.5935 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 10) }
```

Border

The CSS property to change the border of an element to Yxy 17.9132, 0.2982, 0.5935 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, 10) }
```

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

```
.border{ border-color:rgb(0, 137, 10) }
```

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, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 10);  
box-shadow:4px 4px 4px 4px rgb(0, 137, 10)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.9132, 0.2982, 0.5935 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, 10) }
```

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

```
.background{ background-color: rgb(0, 137,  
10) }
```

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