

Converting Colors

$Y_{xy}(17.8962, 0.2338, 0.6085)$

Have a look what the booklet for
Yxy(17.8962, 0.2338, 0.6085)
contains.

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Color

Yxy(19.4615, 0.2916, 0.5696)

Conversions

Conversions Part 1

Format	Color
Hex	008E22
RGB	0, 142, 34
RGB Percent	0%, 56%, 13%
CMY	0.9993, 0.4431, 0.8668
CMYK	1.00, 0.00, 0.76, 0.44
HSL	134°, 100%, 28%
HSV	134°, 100%, 56%
XYZ	9.9631, 19.4615, 4.7424
YIQ	87.2300, -49.9640, -63.6920

Conversions

Conversions Part 2

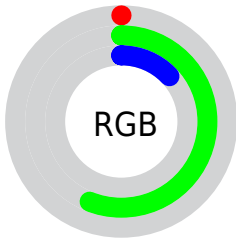
Format	Color
RYB	0, 115, 142
Decimal	36386
CIELab	51.22, -54.00, 45.53
CIELCh	51, 70.636, 139.863
Yxy	19.4615, 0.2916, 0.5696
Android (android.graphics.Color)	4278226466 (0xFF008E22)
YUV	87.2300, -26.2424, -76.5007
Hunter-Lab	44.1152, -36.8887, 24.5070

Details

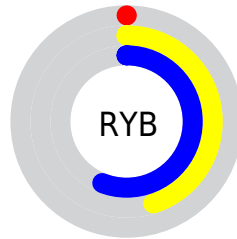
The Yxy color **19.4615, 0.2916, 0.5696** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.8419, 0.3903, 0.1924**, and the grayscale version is **9.6608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5357, 0.3037, 0.5088**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.4603, 0.2916, 0.5698**, and if you desaturate by 10%, it is **19.6301, 0.2896, 0.5504**.

Distribution



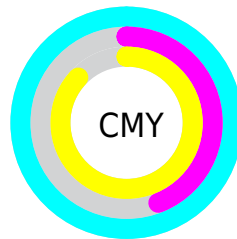
- Red (0%)
- Green (56%)
- Blue (13%)



- Red (0%)
- Yellow (45%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4615, 0.2916, 0.5696 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 19.4615, 0.2916, 0.5696 by changing the saturation by 10% instead.


 19.4615, 0.2916,
0.5696

 19.4615, 0.2916,
0.5696


248.9848, 0.3129,
0.4223

 12.0042, 0.2791,
0.6162


 42.5125, 0.3036,
0.5087


 6.7466, 0.2577,
0.6836


 58.8750, 0.3066,
0.4880

 3.3041, 0.2172,
0.7828

 78.9747, 0.3087,
0.4715

 1.2925, 0.0000,
1.0000

 103.1959, 0.3101,
0.4580

 0.1354, 0.0000,
1.0000

 131.9232, 0.3112,
0.4468

 0.0000, 0.0000,
0.0000

 165.5408, 0.3119,

0.4373

204.4332, 0.3125,
0.4293

■ 19.4615, 0.2916,
0.5696

■ 19.4615, 0.2916,
0.5696

■ 19.4603, 0.2916,
0.5698

■ 19.6301, 0.2896,
0.5504

■ 19.8827, 0.2883,
0.5272

■ 20.2531, 0.2883,
0.5010

■ 20.7544, 0.2897,
0.4732

■ 21.3979, 0.2922,
0.4450

■ 22.1935, 0.2955,
0.4178

■ 23.1505, 0.2995,
0.3922

■ 24.2771, 0.3038,
0.3687

■ 25.5812, 0.3083,
0.3476

Harmonies

Analogous

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



19.4615, 0.4034, 0.5501



19.4615, 0.2916, 0.5696



19.4615, 0.1904, 0.4562

Triad

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



19.4615, 0.2916, 0.5696



19.4615, 0.1324, 0.1589



19.4615, 0.5337, 0.3023

Complementary

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



19.4615, 0.2916, 0.5696



6.8419, 0.3903, 0.1924

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.



19.4615, 0.4224, 0.2331



19.4615, 0.2916, 0.5696



19.4615, 0.1872, 0.1551

Square

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



19.4615, 0.2916, 0.5696



19.4615, 0.1138, 0.2000



19.4615, 0.2870, 0.1809



19.4615, 0.5581, 0.3790

Rectangle

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



19.4615, 0.2916, 0.5696



19.4615, 0.1446, 0.3468



19.4615, 0.2870, 0.1809



19.4615, 0.5043, 0.2782

Sweetspot

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



19.4623, 0.2916, 0.5696



40.6869, 0.2992, 0.3940



22.5916, 0.3795, 0.5368



8.9427, 0.2977, 0.4033



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.



19.4623, 0.2916, 0.5696



34.2950, 0.2925, 0.5729



20.3501, 0.2488, 0.4156



6.0491, 0.3086, 0.3462



17.4752, 0.2914, 0.5691



0.1701, 0.2709, 0.4953

Inverse Universe

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



6.8419, 0.3903, 0.1924



12.0302, 0.3921, 0.1934



5.8947, 0.5821, 0.2982



5.4894, 0.3171, 0.3124



6.1416, 0.3900, 0.1922



0.0621, 0.3523, 0.1714

Previews

White Background



This preview shows how the Yxy color 19.4615, 0.2916, 0.5696 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 19.4615, 0.2916, 0.5696 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

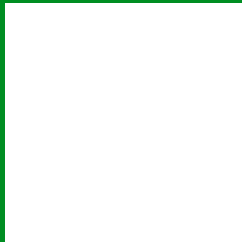
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.4615, 0.2916, 0.5696

Background



This preview shows how black text looks on a background with the Yxy color 19.4615, 0.2916, 0.5696.



This preview shows how white text looks on a background with the Yxy color 19.4615, 0.2916, 0.5696.

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

19.4615, 0.2916, 0.5696

Protanopia

19.3261, 0.4289, 0.4737

Deuteranopia

19.0302, 0.4449, 0.4372



Tritanopia

19.4155, 0.2369, 0.3064

Trichromacy



Original Color

19.4615, 0.2916, 0.5696



Protanomaly

17.8257, 0.3542, 0.5250



Deuteranomaly

17.3141, 0.3624, 0.4997



Tritanomaly

18.9997, 0.2569, 0.4050

Monochromacy



Original Color

19.4615, 0.2916, 0.5696



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.7450, 0.2924, 0.4359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4615, 0.2916, 0.5696 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, 142, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 34)  
}
```

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, 142, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 34) }
```

Border

The CSS property to change the border of an element to Yxy 19.4615, 0.2916, 0.5696 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, 142, 34) }
```

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

```
.border{ border-color:rgb(0, 142, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.4615, 0.2916, 0.5696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 34) }
```

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

```
.background{ background-color: rgb(0, 142,  
34) }
```

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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