

Converting Colors

$Y_{xy}(16.9981, 0.3022, 0.5699)$

Have a look what the booklet for
Yxy(16.9981, 0.3022, 0.5699)
contains.

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Color

Yxy(17.1011, 0.3019, 0.5696)

Conversions

Conversions Part 1

Format	Color
Hex	1C851B
RGB	28, 133, 27
RGB Percent	11%, 52%, 11%
CMY	0.8902, 0.4784, 0.8942
CMYK	0.79, 0.00, 0.80, 0.48
HSL	119°, 66%, 31%
HSV	119°, 80%, 52%
XYZ	9.0639, 17.1011, 3.8580
YIQ	89.5210, -28.5540, -55.2260

Conversions

Conversions Part 2

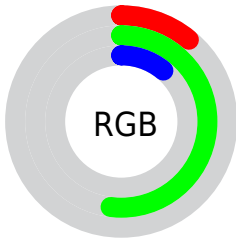
Format	Color
R_{YB}	27, 133, 132
Decimal	1869083
CIE _{Lab}	48.39, -49.10, 45.32
CIE _{LCh}	48, 66.817, 137.288
Yxy	17.1011, 0.3019, 0.5696
Android (android.graphics.Color)	4280059163 (0xFF1C851B)
YUV	89.5210, -30.8229, -53.9539
Hunter-Lab	41.3535, -33.2446, 23.4161

Details

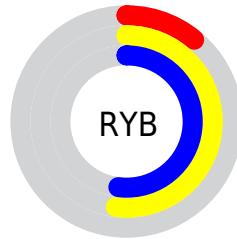
The Yxy color **17.1011, 0.3019, 0.5696** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.3794, 0.3185, 0.1663**, and the grayscale version is **10.1862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3951, 0.3118, 0.5067**, and **6.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.9069, 0.3009, 0.5875**, and if you desaturate by 10%, it is **17.4059, 0.3032, 0.5442**.

Distribution



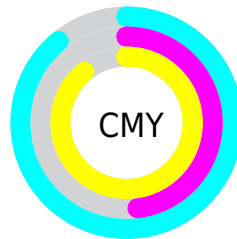
- Red (11%)
- Green (52%)
- Blue (11%)



- Red (11%)
- Yellow (52%)
- Blue (52%)



- Cyan (79%)
- Magenta (0%)
- Yellow (80%)
- Black (48%)





- Cyan (89%)
- Magenta (48%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1011, 0.3019, 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 17.1011, 0.3019, 0.5696 by changing the saturation by 10% instead.


 17.1011, 0.3019,
0.5696


 17.1011, 0.3019,
0.5696


235.7543, 0.3177,
0.4207


 10.3066, 0.2899,
0.6174


 38.4995, 0.3122,
0.5075


 5.6027, 0.2720,
0.6965

 53.8722, 0.3144,
0.4866

 2.6050, 0.2203,
0.7797

 72.8731, 0.3158,
0.4699

 0.9292, 0.0000,
1.0000

 95.8866, 0.3166,
0.4563


 0.0000, 0.0000,
0.0000


 123.2971, 0.3172,
0.4451


 155.4889, 0.3175,


0.4357

 192.8465, 0.3176,
0.4276

 17.1011, 0.3019,
0.5696


 17.1011, 0.3019,
0.5696


 16.9069, 0.3009,
0.5875


 17.4059, 0.3032,
0.5442

 16.7874, 0.3003,
0.5994

 17.8320, 0.3047,
0.5133

 16.7843, 0.3003,
0.5998

 18.3912, 0.3062,
0.4794

 19.0931, 0.3078,
0.4449

 19.9467, 0.3093,
0.4116

■ 20.9602, 0.3106,
0.3808

■ 22.1410, 0.3117,
0.3529

■ 23.4964, 0.3127,
0.3284

■ 25.0329, 0.3136,
0.3069

Harmonies

Analogous

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



17.1011, 0.4124, 0.5422



17.1011, 0.3019, 0.5696



17.1011, 0.1993, 0.4680

Triad

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



17.1011, 0.3019, 0.5696



17.1011, 0.1310, 0.1623



17.1011, 0.5245, 0.2966

Complementary

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



17.1011, 0.3019, 0.5696



7.3794, 0.3185, 0.1663

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.



17.1011, 0.4095, 0.2288



17.1011, 0.3019, 0.5696



17.1011, 0.1821, 0.1557

Square

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



17.1011, 0.3019, 0.5696



17.1011, 0.1154, 0.2073



17.1011, 0.2772, 0.1789



17.1011, 0.5572, 0.3724

Rectangle

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



17.1011, 0.3019, 0.5696



17.1011, 0.1510, 0.3601



17.1011, 0.2772, 0.1789



17.1011, 0.4930, 0.2729

Sweetspot

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



17.1018, 0.3019, 0.5696



36.6215, 0.3100, 0.3953



21.3619, 0.4134, 0.4901



8.1286, 0.3095, 0.4048



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.1018, 0.3019, 0.5696



30.1112, 0.3004, 0.5964



17.5618, 0.2698, 0.4636



5.2068, 0.3118, 0.3514



15.9867, 0.3003, 0.5997



0.0555, 0.3018, 0.5986

Inverse Universe

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



7.3794, 0.3185, 0.1663



11.9293, 0.3186, 0.1543



6.3748, 0.4368, 0.2405



4.7606, 0.3136, 0.3076



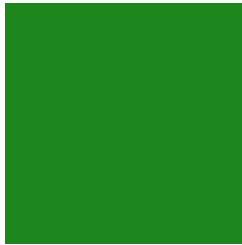
6.2635, 0.3186, 0.1529



0.0219, 0.3198, 0.1536

Previews

White Background



This preview shows how the Yxy color 17.1011, 0.3019, 0.5696 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 17.1011, 0.3019, 0.5696 looks on a black 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

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

Yxy 17.1011, 0.3019, 0.5696

Background



This preview shows how black text looks on a background with the Yxy color 17.1011, 0.3019, 0.5696.



This preview shows how white text looks on a background with the Yxy color 17.1011, 0.3019, 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

17.1011, 0.3019, 0.5696

Protanopia

16.9865, 0.4312, 0.4779

Deuteranopia

16.9169, 0.4482, 0.4422



Tritanopia

17.1286, 0.2411, 0.3074

Trichromacy



Original Color

17.1011, 0.3019, 0.5696

Protanomaly

16.2603, 0.3699, 0.5213

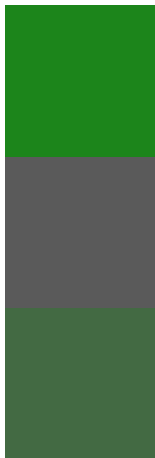
Deuteranomaly

15.8391, 0.3803, 0.4965

Tritanomaly

16.6579, 0.2661, 0.4058

Monochromacy



Original Color

17.1011, 0.3019, 0.5696

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.9066, 0.3079, 0.4322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1011, 0.3019, 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(28, 133, 27)` looks like.

```
.text, #text, p{  
    color:rgb(28, 133, 27)  
}
```

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(28, 133, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 133, 27) }
```

Border

The CSS property to change the border of an element to Yxy 17.1011, 0.3019, 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(28, 133, 27) }
```

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

```
.border{ border-color:rgb(28, 133, 27) }
```

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

Here you see how a box with a 4 pixel rgb(28, 133, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 133, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 133, 27);  
box-shadow:4px 4px 4px 4px rgb(28, 133,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1011, 0.3019, 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(28, 133, 27) }
```

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

```
.background{ background-color: rgb(28, 133,  
27) }
```

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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