

Converting Colors

$Y_{xy}(17.1349, 0.3027, 0.5680)$

Have a look what the booklet for
Yxy(17.1349, 0.3027, 0.5680)
contains.

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Color

Yxy(17.1349, 0.3025, 0.5675)

Conversions

Conversions Part 1

Format	Color
Hex	1E851C
RGB	30, 133, 28
RGB Percent	12%, 52%, 11%
CMY	0.8822, 0.4784, 0.8901
CMYK	0.77, 0.00, 0.79, 0.48
HSL	119°, 65%, 32%
HSV	119°, 79%, 52%
XYZ	9.1336, 17.1349, 3.9252
YIQ	90.2330, -27.6830, -54.4910

Conversions

Conversions Part 2

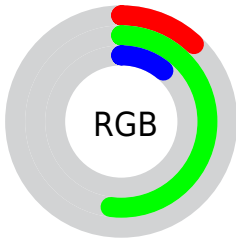
Format	Color
R_{YB}	28, 133, 131
Decimal	2000156
CIE _{Lab}	48.43, -48.69, 45.02
CIE _{LCh}	48, 66.315, 137.248
Yxy	17.1349, 0.3025, 0.5675
Android (android.graphics.Color)	4280190236 (0xFF1E851C)
YUV	90.2330, -30.6809, -52.8243
Hunter-Lab	41.3943, -33.0544, 23.3539

Details

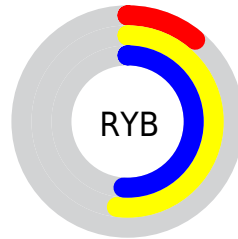
The Yxy color **17.1349, 0.3025, 0.5675** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.3475, 0.3167, 0.1661**, and the grayscale version is **10.3579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4470, 0.3125, 0.5063**, and **6.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.9279, 0.3013, 0.5861**, and if you desaturate by 10%, it is **17.4528, 0.3039, 0.5416**.

Distribution



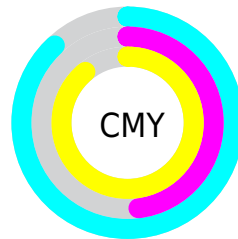
- Red (12%)
- Green (52%)
- Blue (11%)



- Red (11%)
- Yellow (52%)
- Blue (51%)



- Cyan (77%)
- Magenta (0%)
- Yellow (79%)
- Black (48%)




- Cyan (88%)
- Magenta (48%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1349, 0.3025, 0.5675 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 17.1349, 0.3025, 0.5675 by changing the saturation by 10% instead.


 17.1349, 0.3025,
0.5675

 17.1349, 0.3025,
0.5675


235.9486, 0.3178,
0.4199


 10.3307, 0.2908,
0.6149


 38.5576, 0.3125,
0.5059


 5.6188, 0.2730,
0.6926

 53.9448, 0.3147,
0.4852


 2.6147, 0.2230,
0.7770

 72.9619, 0.3160,
0.4687

 0.9341, 0.0000,
1.0000


 95.9933, 0.3168,
0.4553

 0.0000, 0.0000,
0.0000


 123.4232, 0.3173,
0.4441


 155.6361, 0.3176,


0.4348

 193.0164, 0.3177,
0.4268

 17.1349, 0.3025,
0.5675


 17.1349, 0.3025,
0.5675


 16.9279, 0.3013,
0.5861


 17.4528, 0.3039,
0.5416


 16.8037, 0.3007,
0.5983

 17.8917, 0.3054,
0.5104

 16.7916, 0.3006,
0.5995

 18.4628, 0.3070,
0.4765

 19.1758, 0.3084,
0.4421

 20.0392, 0.3098,
0.4090

■ 21.0608, 0.3109,
0.3784

■ 22.2481, 0.3119,
0.3509

■ 23.6079, 0.3128,
0.3266

■ 25.1469, 0.3135,
0.3053

Harmonies

Analogous

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



17.1349, 0.4124, 0.5408



17.1349, 0.3025, 0.5675



17.1349, 0.2003, 0.4669

Triad

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



17.1349, 0.3025, 0.5675



17.1349, 0.1320, 0.1634



17.1349, 0.5228, 0.2970

Complementary

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



17.1349, 0.3025, 0.5675



7.3475, 0.3167, 0.1661

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.



17.1349, 0.4086, 0.2294



17.1349, 0.3025, 0.5675



17.1349, 0.1829, 0.1567

Square

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



17.1349, 0.3025, 0.5675



17.1349, 0.1165, 0.2084



17.1349, 0.2773, 0.1797



17.1349, 0.5556, 0.3725

Rectangle

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



17.1349, 0.3025, 0.5675



17.1349, 0.1521, 0.3602



17.1349, 0.2773, 0.1797



17.1349, 0.4915, 0.2733

Sweetspot

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



17.1356, 0.3025, 0.5675



36.6540, 0.3103, 0.3952



20.9031, 0.4149, 0.4873



8.1364, 0.3099, 0.4047



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.



17.1356, 0.3025, 0.5675



30.1369, 0.3006, 0.5954



17.5580, 0.2712, 0.4665



5.2087, 0.3119, 0.3514



15.9948, 0.3006, 0.5995



0.0557, 0.3035, 0.5972

Inverse Universe

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



7.3475, 0.3167, 0.1661



11.7908, 0.3163, 0.1535



6.4579, 0.4303, 0.2377



4.7584, 0.3134, 0.3076



6.1663, 0.3162, 0.1516



0.0217, 0.3188, 0.1530

Previews

White Background



This preview shows how the Yxy color 17.1349, 0.3025, 0.5675 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 17.1349, 0.3025, 0.5675 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 17.1349, 0.3025, 0.5675

Background



This preview shows how black text looks on a background with the Yxy color 17.1349, 0.3025, 0.5675.



This preview shows how white text looks on a background with the Yxy color 17.1349, 0.3025, 0.5675.

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

17.1349, 0.3025, 0.5675

Protanopia

16.9905, 0.4307, 0.4771

Deuteranopia

16.9234, 0.4473, 0.4411



Tritanopia

17.1286, 0.2411, 0.3074

Trichromacy



Original Color

17.1349, 0.3025, 0.5675



Protanomaly

16.3164, 0.3707, 0.5193



Deuteranomaly

15.9030, 0.3810, 0.4942



Tritanomaly

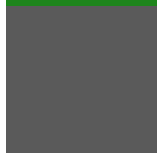
16.6831, 0.2668, 0.4057

Monochromacy



Original Color

17.1349, 0.3025, 0.5675



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

11.9423, 0.3092, 0.4318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1349, 0.3025, 0.5675 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(30, 133, 28)` looks like.

```
.text, #text, p{  
    color:rgb(30, 133, 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(30, 133, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 133, 28) }
```

Border

The CSS property to change the border of an element to Yxy 17.1349, 0.3025, 0.5675 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(30, 133, 28) }
```

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

```
.border{ border-color:rgb(30, 133, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 133, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 133, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 133, 28);  
box-shadow:4px 4px 4px 4px rgb(30, 133,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1349, 0.3025, 0.5675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 133, 28) }
```

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

```
.background{ background-color: rgb(30, 133,  
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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