

Converting Colors

$Y_{xy}(15.3245, 0.3018, 0.5635)$

Have a look what the booklet for
Yxy(15.3245, 0.3018, 0.5635)
contains.

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Color

Yxy(15.2716, 0.3017, 0.5627)

Conversions

Conversions Part 1

Format	Color
Hex	1D7E1D
RGB	29, 126, 29
RGB Percent	11%, 49%, 11%
CMY	0.8865, 0.5059, 0.8862
CMYK	0.77, 0.00, 0.77, 0.51
HSL	120°, 63%, 30%
HSV	120°, 77%, 49%
XYZ	8.1881, 15.2716, 3.6802
YIQ	85.9390, -26.6750, -50.7310

Conversions

Conversions Part 2

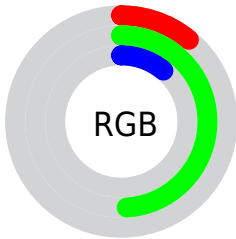
Format	Color
RYB	29, 126, 126
Decimal	1932829
CIELab	46.00, -46.43, 42.24
CIELCh	46, 62.770, 137.707
Yxy	15.2716, 0.3017, 0.5627
Android (android.graphics.Color)	4280122909 (0xFF1D7E1D)
YUV	85.9390, -28.0709, -49.9355
Hunter-Lab	39.0789, -30.9874, 21.7717

Details

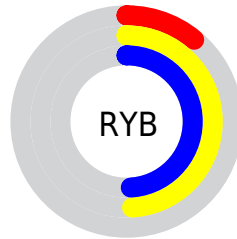
The Yxy color **15.2716, 0.3017, 0.5627** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.8154, 0.3203, 0.1705**, and the grayscale version is **9.3541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4458, 0.3119, 0.5007**, and **5.0322, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.0750, 0.3008, 0.5829**, and if you desaturate by 10%, it is **15.5700, 0.3030, 0.5355**.

Distribution



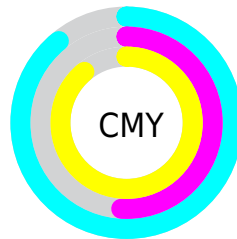
- Red (11%)
- Green (49%)
- Blue (11%)



- Red (11%)
- Yellow (49%)
- Blue (49%)



- Cyan (77%)
- Magenta (0%)
- Yellow (77%)
- Black (51%)





- Cyan (89%)
- Magenta (51%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2716, 0.3017, 0.5627 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 15.2716, 0.3017, 0.5627 by changing the saturation by 10% instead.


 15.2716, 0.3017,
0.5627


 15.2716, 0.3017,
0.5627


225.0043, 0.3170,
0.4158


 9.0102, 0.2898,
0.6117


 35.3289, 0.3117,
0.5004


 4.7479, 0.2734,
0.6998

 49.8937, 0.3139,
0.4798


 2.1001, 0.2077,
0.7923

 67.9950, 0.3152,
0.4635

 0.6647, 0.0000,
1.0000

 90.0174, 0.3160,
0.4502


 0.0000, 0.0000,
0.0000


 116.3451, 0.3165,
0.4393


 147.3625, 0.3167,


0.4302


 183.4541, 0.3169,
0.4225


 15.2716, 0.3017,
0.5627


 15.2716, 0.3017,
0.5627


 15.0750, 0.3008,
0.5829


 15.5700, 0.3030,
0.5355


 14.9557, 0.3001,
0.5962

 15.9794, 0.3045,
0.5036

 14.9235, 0.3000,
0.5999

 16.5098, 0.3061,
0.4694

 17.1698, 0.3077,
0.4352

 17.9672, 0.3092,
0.4026

■ 18.9091, 0.3106,
0.3727

■ 20.0022, 0.3119,
0.3459

■ 21.2526, 0.3130,
0.3224

■ 22.6663, 0.3140,
0.3018

Harmonies

Analogous

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



15.2716, 0.4104, 0.5393



15.2716, 0.3017, 0.5627



15.2716, 0.2009, 0.4621

Triad

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



15.2716, 0.3017, 0.5627



15.2716, 0.1345, 0.1651



15.2716, 0.5207, 0.2989

Complementary

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



15.2716, 0.3017, 0.5627



6.8154, 0.3203, 0.1705

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.



15.2716, 0.4092, 0.2317



15.2716, 0.3017, 0.5627



15.2716, 0.1856, 0.1588

Square

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



15.2716, 0.3017, 0.5627



15.2716, 0.1187, 0.2092



15.2716, 0.2798, 0.1820



15.2716, 0.5522, 0.3741

Rectangle

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



15.2716, 0.3017, 0.5627



15.2716, 0.1535, 0.3576



15.2716, 0.2798, 0.1820



15.2716, 0.4903, 0.2753

Sweetspot

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



15.2722, 0.3017, 0.5627



32.1743, 0.3097, 0.3918



19.4476, 0.4094, 0.4888



7.2101, 0.3093, 0.4011



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.2722, 0.3017, 0.5627



26.3811, 0.3003, 0.5924



15.7258, 0.2687, 0.4532



4.8188, 0.3117, 0.3512



15.3085, 0.3000, 0.5999



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.8154, 0.3203, 0.1705



10.7430, 0.3210, 0.1574



5.8539, 0.4343, 0.2445



4.4124, 0.3137, 0.3078



6.0925, 0.3212, 0.1543



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.2716, 0.3017, 0.5627 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

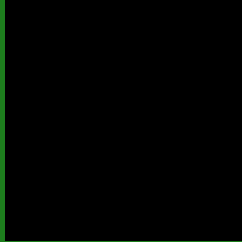
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2716, 0.3017, 0.5627

Background



This preview shows how black text looks on a background with the Yxy color 15.2716, 0.3017, 0.5627.



This preview shows how white text looks on a background with the Yxy color 15.2716, 0.3017, 0.5627.

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

15.2716, 0.3017, 0.5627

Protanopia

15.1450, 0.4280, 0.4742

Deuteranopia

14.9979, 0.4444, 0.4383



Tritanopia

15.1544, 0.2413, 0.3064

Trichromacy



Original Color

15.2716, 0.3017, 0.5627



Protanomaly

14.4108, 0.3698, 0.5153



Deuteranomaly

13.9770, 0.3793, 0.4903



Tritanomaly

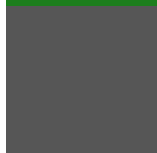
14.7926, 0.2656, 0.4019

Monochromacy



Original Color

15.2716, 0.3017, 0.5627



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

10.8128, 0.3081, 0.4278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2716, 0.3017, 0.5627 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(29, 126, 29)` looks like.

```
.text, #text, p{  
    color:rgb(29, 126, 29)  
}
```

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(29, 126, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 126, 29) }
```

Border

The CSS property to change the border of an element to Yxy 15.2716, 0.3017, 0.5627 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(29, 126, 29) }
```

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

```
.border{ border-color:rgb(29, 126, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 126, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 126, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 126, 29);  
box-shadow:4px 4px 4px 4px rgb(29, 126,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2716, 0.3017, 0.5627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 126, 29) }
```

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

```
.background{ background-color: rgb(29, 126,  
29) }
```

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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