

Converting Colors

$Y_{xy}(15.9133, 0.3078, 0.5393)$

Have a look what the booklet for
Yxy(15.9133, 0.3078, 0.5393)
contains.

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Color

Yxy(15.9061, 0.3079, 0.5392)

Conversions

Conversions Part 1

Format	Color
Hex	2E7F27
RGB	46, 127, 39
RGB Percent	18%, 50%, 15%
CMY	0.8195, 0.5020, 0.8471
CMYK	0.64, 0.00, 0.69, 0.50
HSL	115°, 53%, 33%
HSV	115°, 69%, 50%
XYZ	9.0829, 15.9061, 4.5105
YIQ	92.7490, -20.0280, -44.5400

Conversions

Conversions Part 2

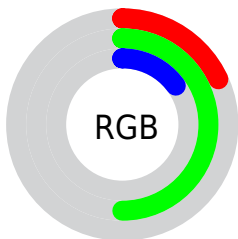
Format	Color
R_{YB}	39, 127, 120
Decimal	3047207
CIE _{Lab}	46.85, -42.32, 39.16
CIE _{LCh}	47, 57.657, 137.216
Yxy	15.9061, 0.3079, 0.5392
Android (android.graphics.Color)	4281237287 (0xFF2E7F27)
YUV	92.7490, -26.4983, -40.9989
Hunter-Lab	39.8825, -29.1425, 21.2124

Details

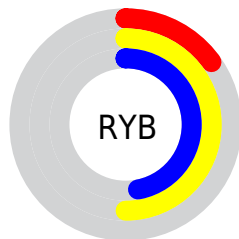
The Yxy color **15.9061, 0.3079, 0.5392** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.9748, 0.3071, 0.1741**, and the grayscale version is **10.9526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5938, 0.3147, 0.4837**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.6007, 0.3060, 0.5650**, and if you desaturate by 10%, it is **16.3150, 0.3095, 0.5085**.

Distribution



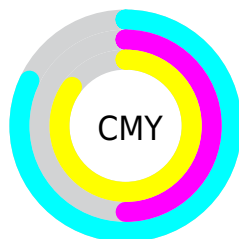
- Red (18%)
- Green (50%)
- Blue (15%)



- Red (15%)
- Yellow (50%)
- Blue (47%)



- Cyan (64%)
- Magenta (0%)
- Yellow (69%)
- Black (50%)





- Cyan (82%)
- Magenta (50%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9061, 0.3079, 0.5392 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 15.9061, 0.3079, 0.5392 by changing the saturation by 10% instead.


 15.9061, 0.3079,
0.5392


 15.9061, 0.3079,
0.5392


228.7870, 0.3178,
0.4080


 9.4577, 0.2992,
0.5831


 36.4351, 0.3149,
0.4837


 5.0409, 0.2838,
0.6517

 51.2845, 0.3163,
0.4653

 2.2713, 0.2458,
0.7542

 69.7031, 0.3171,
0.4508

 0.7585, 0.0000,
1.0000

 92.0752, 0.3175,
0.4389

 0.0000, 0.0000,
0.0000

 118.7853, 0.3177,
0.4292

 150.2177, 0.3178,

0.4210

186.7568, 0.3178,
0.4140

■ 15.9061, 0.3079,
0.5392

■ 15.9061, 0.3079,
0.5392

■ 15.6007, 0.3060,
0.5650

■ 16.3150, 0.3095,
0.5085

■ 15.3876, 0.3041,
0.5840

■ 16.8333, 0.3108,
0.4752

■ 15.2518, 0.3027,
0.5970

■ 17.4691, 0.3117,
0.4416

■ 15.2444, 0.3026,
0.5979

■ 18.2287, 0.3123,
0.4091

■ 19.1185, 0.3127,
0.3789

■ 20.1440, 0.3128,
0.3517

■ 21.3106, 0.3127,
0.3274

■ 22.6234, 0.3125,
0.3061

■ 24.0873, 0.3123,
0.2875

Harmonies

Analogous

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



15.9061, 0.4091, 0.5232



15.9061, 0.3079, 0.5392



15.9061, 0.2130, 0.4503

Triad

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



15.9061, 0.3079, 0.5392



15.9061, 0.1459, 0.1774



15.9061, 0.5007, 0.3024

Complementary

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



15.9061, 0.3079, 0.5392



6.9748, 0.3071, 0.1741

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.



15.9061, 0.3990, 0.2384



15.9061, 0.3079, 0.5392



15.9061, 0.1942, 0.1701

Square

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



15.9061, 0.3079, 0.5392



15.9061, 0.1316, 0.2211



15.9061, 0.2816, 0.1917



15.9061, 0.5334, 0.3743

Rectangle

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



15.9061, 0.3079, 0.5392



15.9061, 0.1673, 0.3586



15.9061, 0.2816, 0.1917



15.9061, 0.4725, 0.2798

Sweetspot

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



15.9068, 0.3079, 0.5392



33.8641, 0.3126, 0.3854



18.0116, 0.4117, 0.4694



7.8408, 0.3125, 0.3922



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.9068, 0.3079, 0.5392



27.7007, 0.3049, 0.5767



16.1275, 0.2759, 0.4579



4.8339, 0.3128, 0.3512



15.3739, 0.3026, 0.5979



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.9748, 0.3071, 0.1741



10.5291, 0.3044, 0.1544



6.7069, 0.3980, 0.2354



4.3955, 0.3125, 0.3077



5.3500, 0.3016, 0.1435



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.9061, 0.3079, 0.5392 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 15.9061, 0.3079, 0.5392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

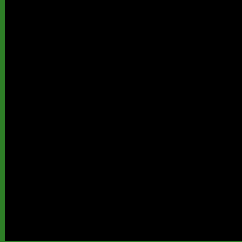
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9061, 0.3079, 0.5392

Background



This preview shows how black text looks on a background with the Yxy color 15.9061, 0.3079, 0.5392.



This preview shows how white text looks on a background with the Yxy color 15.9061, 0.3079, 0.5392.

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

15.9061, 0.3079, 0.5392

Protanopia

15.7753, 0.4211, 0.4646

Deuteranopia

15.6268, 0.4366, 0.4296



Tritanopia

15.9455, 0.2483, 0.3092

Trichromacy



Original Color

15.9061, 0.3079, 0.5392

Protanomaly

15.3368, 0.3727, 0.4969

Deuteranomaly

14.9352, 0.3815, 0.4721

Tritanomaly

15.6934, 0.2713, 0.3915

Monochromacy



Original Color

15.9061, 0.3079, 0.5392

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.1207, 0.3129, 0.4107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9061, 0.3079, 0.5392 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(46, 127, 39)` looks like.

```
.text, #text, p{  
    color:rgb(46, 127, 39)  
}
```

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(46, 127, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 127, 39) }
```

Border

The CSS property to change the border of an element to Yxy 15.9061, 0.3079, 0.5392 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(46, 127, 39) }
```

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

```
.border{ border-color:rgb(46, 127, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 127, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 127, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 127, 39);  
box-shadow:4px 4px 4px 4px rgb(46, 127,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9061, 0.3079, 0.5392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 127, 39) }
```

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

```
.background{ background-color: rgb(46, 127,  
39) }
```

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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