

Converting Colors

$Y_{xy}(15.5151, 0.3036, 0.5179)$

Have a look what the booklet for
Yxy(15.5151, 0.3036, 0.5179)
contains.

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Color

Yxy(15.5090, 0.3038, 0.5186)

Conversions

Conversions Part 1

Format	Color
Hex	307D30
RGB	48, 125, 48
RGB Percent	19%, 49%, 19%
CMY	0.8118, 0.5098, 0.8117
CMYK	0.62, 0.00, 0.62, 0.51
HSL	120°, 45%, 34%
HSV	120°, 62%, 49%
XYZ	9.0853, 15.5090, 5.3112
YIQ	93.1990, -21.1750, -40.2710

Conversions

Conversions Part 2

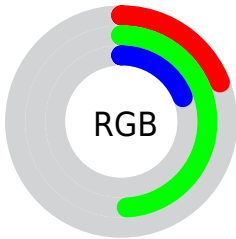
Format	Color
R_{YB}	48, 125, 125
Decimal	3177776
CIE _{Lab}	46.32, -40.02, 34.38
CIE _{LCh}	46, 52.760, 139.338
Yxy	15.5090, 0.3038, 0.5186
Android (android.graphics.Color)	4281367856 (0xFF307D30)
YUV	93.1990, -22.2831, -39.6395
Hunter-Lab	39.3815, -27.7377, 19.5708

Details

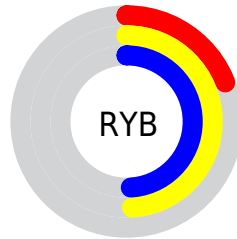
The Yxy color **15.5090, 0.3038, 0.5186** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7.9526, 0.3192, 0.1921**, and the grayscale version is **11.0512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5874, 0.3107, 0.4671**, and **5.0322, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.1585, 0.3024, 0.5487**, and if you desaturate by 10%, it is **15.9756, 0.3054, 0.4851**.

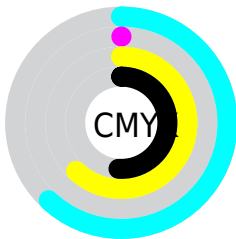
Distribution



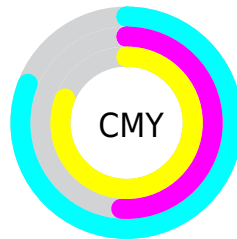
- Red (19%)
- Green (49%)
- Blue (19%)



- Red (19%)
- Yellow (49%)
- Blue (49%)



- Cyan (62%)
- Magenta (0%)
- Yellow (62%)
- Black (51%)




- Cyan (81%)
- Magenta (51%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5090, 0.3038, 0.5186 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 15.5090, 0.3038, 0.5186 by changing the saturation by 10% instead.


 15.5090, 0.3038,
0.5186


 15.5090, 0.3038,
0.5186


226.4267, 0.3146,
0.3997

 9.1774, 0.2960,
0.5596


 35.7437, 0.3105,
0.4678


 4.8571, 0.2807,
0.6209

 50.4155, 0.3120,
0.4512


 2.1636, 0.2550,
0.7450

 68.6363, 0.3130,
0.4381

 0.7001, 0.0000,
1.0000

 90.7902, 0.3136,
0.4274

 0.0000, 0.0000,
0.0000

 117.2619, 0.3140,
0.4187

 148.4356, 0.3143,

0.4113

184.6957, 0.3145,
0.4051

■ 15.5090, 0.3038,
0.5186

■ 15.5090, 0.3038,
0.5186

■ 15.1585, 0.3024,
0.5487

■ 15.9756, 0.3054,
0.4851

■ 14.9122, 0.3013,
0.5729

■ 16.5650, 0.3070,
0.4507

■ 14.7590, 0.3005,
0.5895

■ 17.2859, 0.3086,
0.4172

■ 14.6685, 0.3000,
0.6000

■ 18.1456, 0.3100,
0.3860

■ 19.1507, 0.3114,
0.3578

■ 20.3075, 0.3125,
0.3328

■ 21.6220, 0.3136,
0.3109

■ 23.0999, 0.3145,
0.2919

■ 24.7463, 0.3152,
0.2755

Harmonies

Analogous

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



15.5090, 0.3994, 0.5141



15.5090, 0.3038, 0.5186



15.5090, 0.2155, 0.4315

Triad

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



15.5090, 0.3038, 0.5186



15.5090, 0.1576, 0.1852



15.5090, 0.4912, 0.3103

Complementary

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



15.5090, 0.3038, 0.5186



7.9526, 0.3192, 0.1921

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.



15.5090, 0.4007, 0.2483



15.5090, 0.3038, 0.5186



15.5090, 0.2065, 0.1799

Square

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



15.5090, 0.3038, 0.5186



15.5090, 0.1418, 0.2250



15.5090, 0.2915, 0.2022



15.5090, 0.5180, 0.3798

Rectangle

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



15.5090, 0.3038, 0.5186



15.5090, 0.1736, 0.3486



15.5090, 0.2915, 0.2022



15.5090, 0.4666, 0.2885

Sweetspot

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



15.5096, 0.3038, 0.5186



33.0359, 0.3105, 0.3767



19.2419, 0.3961, 0.4669



7.4189, 0.3101, 0.3838



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.



15.5096, 0.3038, 0.5186



26.9374, 0.3019, 0.5596



15.9760, 0.2721, 0.4240



4.8188, 0.3117, 0.3512



15.3083, 0.3000, 0.6000



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.9526, 0.3192, 0.1921



12.1445, 0.3201, 0.1719



7.1523, 0.3996, 0.2549



4.4124, 0.3137, 0.3077



6.0948, 0.3210, 0.1542



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.5090, 0.3038, 0.5186 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 15.5090, 0.3038, 0.5186 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 15.5090, 0.3038, 0.5186

Background



This preview shows how black text looks on a background with the Yxy color 15.5090, 0.3038, 0.5186.



This preview shows how white text looks on a background with the Yxy color 15.5090, 0.3038, 0.5186.

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

15.5090, 0.3038, 0.5186

Protanopia

15.2493, 0.4137, 0.4528

Deuteranopia

15.2353, 0.4256, 0.4197



Tritanopia

15.4482, 0.2484, 0.3068

Trichromacy



Original Color

15.5090, 0.3038, 0.5186

Protanomaly

14.8838, 0.3657, 0.4806

Deuteranomaly

14.7198, 0.3731, 0.4574

Tritanomaly

15.2754, 0.2696, 0.3819

Monochromacy



Original Color

15.5090, 0.3038, 0.5186

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.2168, 0.3094, 0.3999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5090, 0.3038, 0.5186 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(48, 125, 48)` looks like.

```
.text, #text, p{  
    color:rgb(48, 125, 48)  
}
```

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(48, 125, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 125, 48) }
```

Border

The CSS property to change the border of an element to Yxy 15.5090, 0.3038, 0.5186 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(48, 125, 48) }
```

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

```
.border{ border-color:rgb(48, 125, 48) }
```

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

Here you see how a box with a 4 pixel rgb(48, 125, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 125, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 125, 48);  
box-shadow:4px 4px 4px 4px rgb(48, 125,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5090, 0.3038, 0.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 125, 48) }
```

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

```
.background{ background-color: rgb(48, 125,  
48) }
```

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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