

Converting Colors

$Y_{xy}(15.3792, 0.3166, 0.5546)$

Have a look what the booklet for
Yxy(15.3792, 0.3166, 0.5546)
contains.

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Color

Yxy(15.3993, 0.3171, 0.5551)

Conversions

Conversions Part 1

Format	Color
Hex	317D1B
RGB	49, 125, 27
RGB Percent	19%, 49%, 11%
CMY	0.8080, 0.5098, 0.8941
CMYK	0.61, 0.00, 0.78, 0.51
HSL	107°, 64%, 30%
HSV	107°, 78%, 49%
XYZ	8.7968, 15.3993, 3.5454
YIQ	91.1040, -13.8380, -46.5900

Conversions

Conversions Part 2

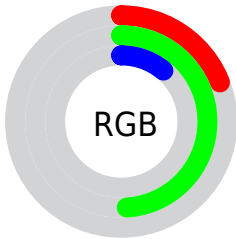
Format	Color
R_{YB}	27, 125, 103
Decimal	3243291
CIE _{Lab}	46.18, -41.83, 43.34
CIE _{LCh}	46, 60.232, 133.989
Yxy	15.3993, 0.3171, 0.5551
Android (android.graphics.Color)	4281433371 (0xFF317D1B)
YUV	91.1040, -31.6033, -36.9252
Hunter-Lab	39.2419, -28.6592, 22.1127

Details

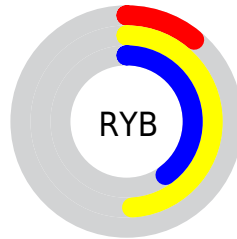
The Yxy color **15.3993, 0.3171, 0.5551** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.1505, 0.2791, 0.1483**, and the grayscale version is **10.5607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4086, 0.3235, 0.4947**, and **5.0322, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.1383, 0.3140, 0.5751**, and if you desaturate by 10%, it is **15.7381, 0.3193, 0.5293**.

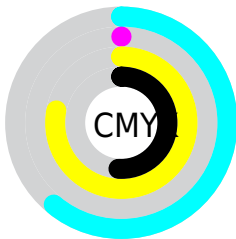
Distribution



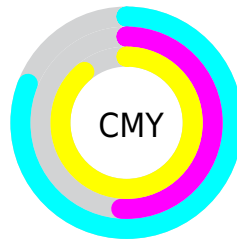
- Red (19%)
- Green (49%)
- Blue (11%)



- Red (11%)
- Yellow (49%)
- Blue (40%)



- Cyan (61%)
- Magenta (0%)
- Yellow (78%)
- Black (51%)




- Cyan (81%)
- Magenta (51%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3993, 0.3171, 0.5551 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 15.3993, 0.3171, 0.5551 by changing the saturation by 10% instead.


 15.3993, 0.3171,
0.5551


 15.3993, 0.3171,
0.5551


225.7705, 0.3232,
0.4143


 9.1001, 0.3080,
0.6009


 35.5522, 0.3234,
0.4960


 4.8065, 0.2971,
0.6850

 50.1746, 0.3242,
0.4763


 2.1342, 0.2419,
0.7581

 68.3403, 0.3245,
0.4606

 0.6838, 0.0000,
1.0000


 90.4335, 0.3244,
0.4478


 0.0000, 0.0000,
0.0000

 116.8388, 0.3242,
0.4372


 147.9405, 0.3239,


0.4284


 184.1229, 0.3235,
0.4208


 15.3993, 0.3171,
0.5551


 15.3993, 0.3171,
0.5551

 15.1383, 0.3140,
0.5751


 15.7381, 0.3193,
0.5293


 14.9426, 0.3105,
0.5897

 16.1587, 0.3204,
0.4996

 14.9158, 0.3101,
0.5920

 16.6669, 0.3206,
0.4678

 17.2676, 0.3199,
0.4357

 17.9652, 0.3185,
0.4047

■ 18.7637, 0.3167,
0.3757

■ 19.6671, 0.3146,
0.3492

■ 20.6791, 0.3124,
0.3254

■ 21.8031, 0.3100,
0.3041

Harmonies

Analogous

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



15.3993, 0.4217, 0.5246



15.3993, 0.3171, 0.5551



15.3993, 0.2165, 0.4728

Triad

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



15.3993, 0.3171, 0.5551



15.3993, 0.1361, 0.1736



15.3993, 0.5022, 0.2924

Complementary

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



15.3993, 0.3171, 0.5551



5.1505, 0.2791, 0.1483

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.



15.3993, 0.3896, 0.2280



15.3993, 0.3171, 0.5551



15.3993, 0.1817, 0.1631

Square

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



15.3993, 0.3171, 0.5551



15.3993, 0.1248, 0.2229



15.3993, 0.2678, 0.1824



15.3993, 0.5444, 0.3654

Rectangle

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



15.3993, 0.3171, 0.5551



15.3993, 0.1665, 0.3752



15.3993, 0.2678, 0.1824



15.3993, 0.4700, 0.2696

Sweetspot

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



15.4000, 0.3171, 0.5551



32.6927, 0.3179, 0.3934



13.9693, 0.4412, 0.4593



7.3440, 0.3184, 0.4021



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.



15.4000, 0.3171, 0.5551



26.8263, 0.3110, 0.5861



15.1600, 0.2862, 0.5146



4.8616, 0.3148, 0.3510



15.5633, 0.3100, 0.5921



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.1505, 0.2791, 0.1483



7.5167, 0.2688, 0.1282



6.0426, 0.3762, 0.2049



4.3653, 0.3104, 0.3075



4.1936, 0.2665, 0.1241



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.3993, 0.3171, 0.5551 looks on a white background.

Color Contrast Check

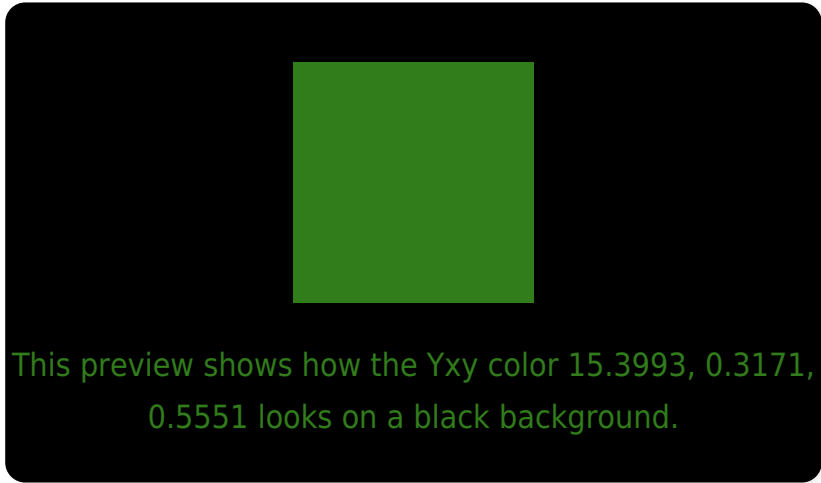
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3993, 0.3171, 0.5551

Background



This preview shows how black text looks on a background with the Yxy color 15.3993, 0.3171, 0.5551.



This preview shows how white text looks on a background with the Yxy color 15.3993, 0.3171, 0.5551.

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

15.3993, 0.3171, 0.5551

Protanopia

15.1367, 0.4292, 0.4760

Deuteranopia

15.0683, 0.4477, 0.4399



Tritanopia

15.2623, 0.2505, 0.3067

Trichromacy



Original Color

15.3993, 0.3171, 0.5551

Protanomaly

14.7603, 0.3810, 0.5106

Deuteranomaly

14.4217, 0.3929, 0.4856

Tritanomaly

14.9560, 0.2789, 0.3999

Monochromacy



Original Color

15.3993, 0.3171, 0.5551

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.6544, 0.3195, 0.4195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3993, 0.3171, 0.5551 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(49, 125, 27)` looks like.

```
.text, #text, p{  
    color:rgb(49, 125, 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(49, 125, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 125, 27) }
```

Border

The CSS property to change the border of an element to Yxy 15.3993, 0.3171, 0.5551 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(49, 125, 27) }
```

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

```
.border{ border-color:rgb(49, 125, 27) }
```

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

Here you see how a box with a 4 pixel rgb(49, 125, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 125, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 125, 27);  
box-shadow:4px 4px 4px 4px rgb(49, 125,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3993, 0.3171, 0.5551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 125, 27) }
```

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

```
.background{ background-color: rgb(49, 125,  
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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