

Converting Colors

$Y_{xy}(12.5607, 0.3468, 0.6532)$

Have a look what the booklet for
Yxy(12.5607, 0.3468, 0.6532)
contains.

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Color

Yxy(12.7537, 0.3231, 0.5816)

Conversions

Conversions Part 1

Format	Color
Hex	2A7300
RGB	42, 115, 0
RGB Percent	16%, 45%, 0%
CMY	0.8354, 0.5490, 0.9998
CMYK	0.63, 0.00, 1.00, 0.55
HSL	98°, 100%, 23%
HSV	98°, 100%, 45%
XYZ	7.0851, 12.7537, 2.0898
YIQ	80.0630, -6.5930, -51.2410

Conversions

Conversions Part 2

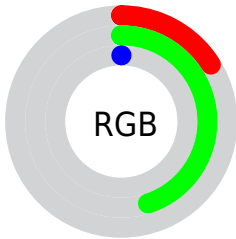
Format	Color
RYB	0, 115, 73
Decimal	2781952
CIELab	42.39, -41.25, 47.12
CIELCh	42, 62.628, 131.198
Yxy	12.7537, 0.3231, 0.5816
Android (android.graphics.Color)	4280972032 (0xFF2A7300)
YUV	80.0630, -39.4711, -33.3813
Hunter-Lab	35.7123, -27.0831, 21.5291

Details

The Yxy color **12.7537, 0.3231, 0.5816** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **2.6590, 0.2346, 0.1066**, and the grayscale version is **8.1149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9389, 0.3305, 0.5143**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.7533, 0.3231, 0.5817**, and if you desaturate by 10%, it is **12.9479, 0.3270, 0.5663**.

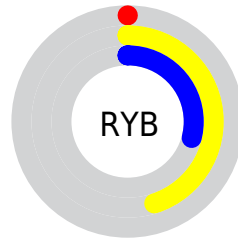
Distribution



Red (16%)

Green (45%)

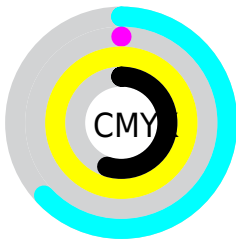
Blue (0%)



Red (0%)

Yellow (45%)

Blue (29%)

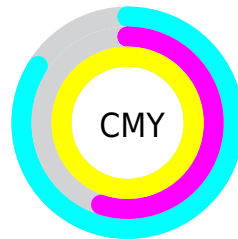


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (84%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7537, 0.3231, 0.5816 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 12.7537, 0.3231, 0.5816 by changing the saturation by 10% instead.


 12.7537, 0.3231,
0.5816


 12.7537, 0.3231,
0.5816


209.3331, 0.3284,
0.4221


 7.2592, 0.3116,
0.6350


 30.8606, 0.3308,
0.5144


 3.6247, 0.2868,
0.7132

 44.2417, 0.3315,
0.4919

 1.4659, 0.1683,
0.8317

 61.0205, 0.3315,
0.4741

 0.2646, 0.0000,
1.0000


 81.5813, 0.3311,
0.4596


 0.0000, 0.0000,
0.0000


 106.3086, 0.3305,
0.4477


 135.5867, 0.3298,

0.4378


 169.8001, 0.3291,
0.4293


 12.7537, 0.3231,
0.5816

 12.7537, 0.3231,
0.5816

 12.7533, 0.3231,
0.5817

 12.9479, 0.3270,
0.5663

 13.1823, 0.3303,
0.5476

 13.4676, 0.3320,
0.5238

 13.8074, 0.3322,
0.4964

 14.2047, 0.3309,
0.4668

■ 14.6625, 0.3284,
0.4366

■ 15.1834, 0.3251,
0.4071

■ 15.7700, 0.3212,
0.3789

■ 16.4245, 0.3170,
0.3528

Harmonies

Analogous

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



12.7537, 0.4350, 0.5310



12.7537, 0.3231, 0.5816



12.7537, 0.2143, 0.5048

Triad

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



12.7537, 0.3231, 0.5816



12.7537, 0.1211, 0.1637



12.7537, 0.5126, 0.2801

Complementary

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



12.7537, 0.3231, 0.5816



2.6590, 0.2346, 0.1066

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.



12.7537, 0.3833, 0.2138



12.7537, 0.3231, 0.5816



12.7537, 0.1649, 0.1506

Square

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



12.7537, 0.3231, 0.5816



12.7537, 0.1119, 0.2193



12.7537, 0.2521, 0.1682



12.7537, 0.5651, 0.3553

Rectangle

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



12.7537, 0.3231, 0.5816



12.7537, 0.1590, 0.3945



12.7537, 0.2521, 0.1682



12.7537, 0.4749, 0.2565

Sweetspot

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



12.7542, 0.3231, 0.5816



27.1042, 0.3254, 0.4095



8.3916, 0.4981, 0.4426



6.3894, 0.3266, 0.4193



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.7542, 0.3231, 0.5816



22.7651, 0.3213, 0.5831



12.2983, 0.2958, 0.5848



4.1572, 0.3166, 0.3506



14.5672, 0.3226, 0.5820



70.5401, 0.3191, 0.5849

Inverse Universe

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



2.6590, 0.2346, 0.1066



4.6808, 0.2324, 0.1054



4.5603, 0.3560, 0.1735



3.6944, 0.3085, 0.3077



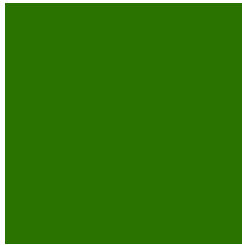
3.0248, 0.2340, 0.1063



14.2428, 0.2296, 0.1038

Previews

White Background



This preview shows how the Yxy color 12.7537, 0.3231, 0.5816 looks on a white background.

Color Contrast Check

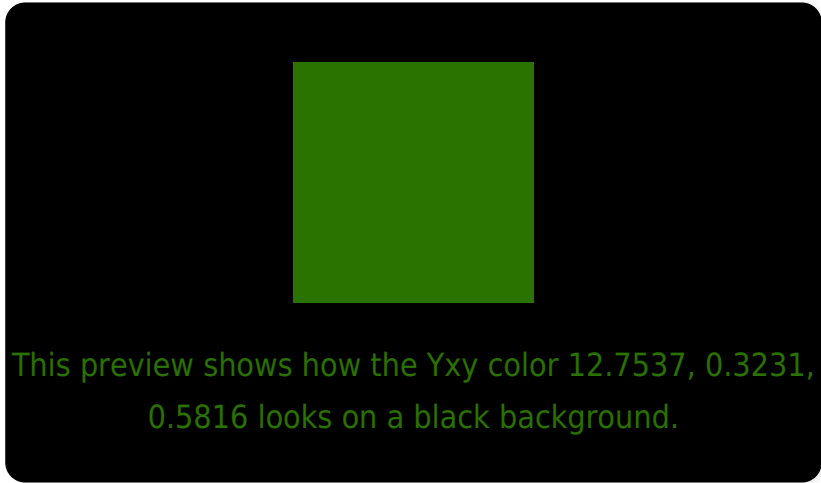
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7537, 0.3231, 0.5816

Background



This preview shows how black text looks on a background with the Yxy color 12.7537, 0.3231, 0.5816.



This preview shows how white text looks on a background with the Yxy color 12.7537, 0.3231, 0.5816.

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

12.7537, 0.3231, 0.5816

Protanopia

12.6251, 0.4401, 0.4888

Deuteranopia

12.6103, 0.4549, 0.4511



Tritanopia

12.8005, 0.2497, 0.3074

Trichromacy



Original Color

12.7537, 0.3231, 0.5816

Protanomaly

12.1294, 0.3909, 0.5278

Deuteranomaly

11.9701, 0.4018, 0.5032

Tritanomaly

12.4585, 0.2864, 0.4254

Monochromacy



Original Color

12.7537, 0.3231, 0.5816

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.2260, 0.3290, 0.4491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7537, 0.3231, 0.5816 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(42, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 115, 0)  
}
```

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(42, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 115, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.7537, 0.3231, 0.5816 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(42, 115, 0) }
```

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

```
.border{ border-color:rgb(42, 115, 0) }
```

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

Here you see how a box with a 4 pixel rgb(42, 115, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 115, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.7537, 0.3231, 0.5816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 115, 0) }
```

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

```
.background{ background-color: rgb(42, 115,  
0) }
```

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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