

Converting Colors

$Y_{xy}(12.7260, 0.3199, 0.5842)$

Have a look what the booklet for
Yxy(12.7260, 0.3199, 0.5842)
contains.

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Color

Yxy(12.6735, 0.3196, 0.5844)

Conversions

Conversions Part 1

Format	Color
Hex	267300
RGB	38, 115, 0
RGB Percent	15%, 45%, 0%
CMY	0.8509, 0.5490, 0.9998
CMYK	0.67, 0.00, 1.00, 0.55
HSL	100°, 100%, 23%
HSV	100°, 100%, 45%
XYZ	6.9310, 12.6735, 2.0819
YIQ	78.8670, -8.9770, -52.0890

Conversions

Conversions Part 2

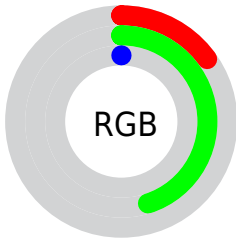
Format	Color
RYB	0, 115, 77
Decimal	2519808
CIELab	42.27, -42.26, 46.98
CIELCh	42, 63.190, 131.972
Yxy	12.6735, 0.3196, 0.5844
Android (android.graphics.Color)	4280709888 (0xFF267300)
YUV	78.8670, -38.8814, -35.8404
Hunter-Lab	35.5999, -27.5475, 21.4526

Details

The Yxy color **12.6735, 0.3196, 0.5844** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **2.8169, 0.2423, 0.1109**, and the grayscale version is **7.8718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7751, 0.3279, 0.5158**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.6734, 0.3196, 0.5844**, and if you desaturate by 10%, it is **12.8613, 0.3234, 0.5691**.

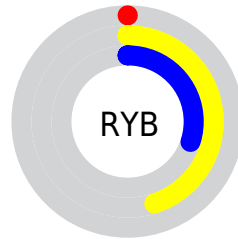
Distribution



Red (15%)

Green (45%)

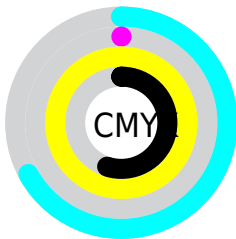
Blue (0%)



Red (0%)

Yellow (45%)

Blue (30%)

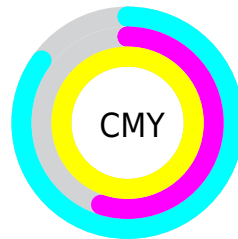


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (85%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6735, 0.3196, 0.5844 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 12.6735, 0.3196, 0.5844 by changing the saturation by 10% instead.


 12.6735, 0.3196,
0.5844

 12.6735, 0.3196,
0.5844


208.8144, 0.3272,
0.4226


 7.2041, 0.3073,
0.6390


 30.7160, 0.3283,
0.5161


 3.5901, 0.2811,
0.7189

 44.0578, 0.3293,
0.4933


 1.4470, 0.1519,
0.8481

 60.7926, 0.3295,
0.4752

 0.2510, 0.0000,
1.0000

 81.3047, 0.3293,
0.4606


 0.0000, 0.0000,
0.0000

 105.9786, 0.3288,
0.4485

 135.1985, 0.3283,

0.4385


 169.3490, 0.3277,
0.4299


 12.6735, 0.3196,
0.5844


 12.6735, 0.3196,
0.5844

 12.6734, 0.3196,
0.5844

 12.8613, 0.3234,
0.5691

 13.0919, 0.3268,
0.5501

 13.3761, 0.3287,
0.5260

 13.7178, 0.3292,
0.4980

 14.1204, 0.3283,
0.4680

■ 14.5868, 0.3263,
0.4374

■ 15.1201, 0.3235,
0.4075

■ 15.7228, 0.3202,
0.3791

■ 16.3976, 0.3165,
0.3529

Harmonies

Analogous

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



12.6735, 0.4327, 0.5347



12.6735, 0.3196, 0.5844



12.6735, 0.2106, 0.5032

Triad

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



12.6735, 0.3196, 0.5844



12.6735, 0.1204, 0.1616



12.6735, 0.5174, 0.2813

Complementary

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



12.6735, 0.3196, 0.5844



2.8169, 0.2423, 0.1109

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.



12.6735, 0.3877, 0.2143



12.6735, 0.3196, 0.5844



12.6735, 0.1653, 0.1493

Square

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



12.6735, 0.3196, 0.5844



12.6735, 0.1102, 0.2159



12.6735, 0.2544, 0.1679



12.6735, 0.5675, 0.3569

Rectangle

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



12.6735, 0.3196, 0.5844



12.6735, 0.1557, 0.3907



12.6735, 0.2544, 0.1679



12.6735, 0.4798, 0.2576

Sweetspot

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



12.6740, 0.3196, 0.5844



26.9925, 0.3238, 0.4099



8.9079, 0.4895, 0.4495



6.3608, 0.3248, 0.4198



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.



12.6740, 0.3196, 0.5844



22.6275, 0.3179, 0.5858



12.3093, 0.2944, 0.5798



4.1516, 0.3162, 0.3506



14.4776, 0.3192, 0.5848



70.1289, 0.3157, 0.5875

Inverse Universe

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



2.8169, 0.2423, 0.1109



4.9679, 0.2403, 0.1097



4.4872, 0.3659, 0.1790



3.7002, 0.3089, 0.3077



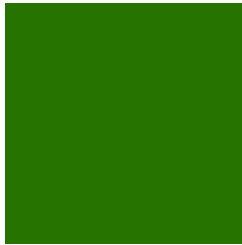
3.2068, 0.2417, 0.1105



15.1465, 0.2376, 0.1082

Previews

White Background



This preview shows how the Yxy color 12.6735, 0.3196, 0.5844 looks on a white background.

Color Contrast Check

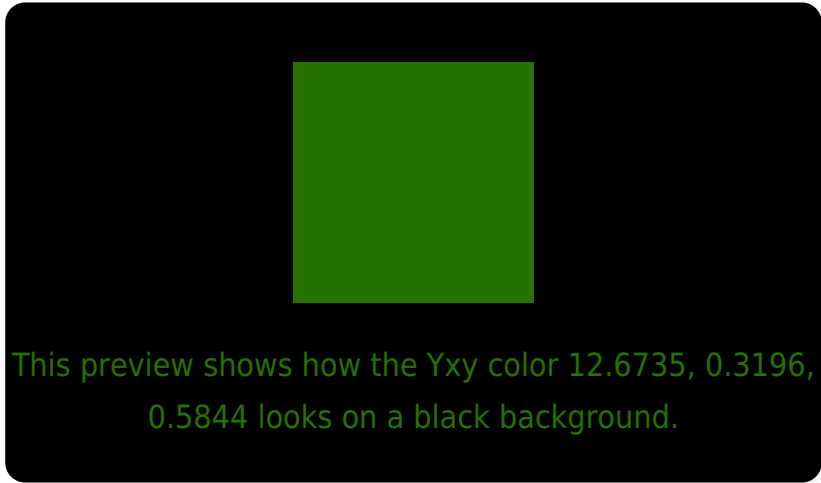
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6735, 0.3196, 0.5844

Background



This preview shows how black text looks on a background with the Yxy color 12.6735, 0.3196, 0.5844.



This preview shows how white text looks on a background with the Yxy color 12.6735, 0.3196, 0.5844.

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

12.6735, 0.3196, 0.5844

Protanopia

12.5591, 0.4385, 0.4900

Deuteranopia

12.4313, 0.4565, 0.4495



Tritanopia

12.7370, 0.2479, 0.3073

Trichromacy



Original Color

12.6735, 0.3196, 0.5844

Protanomaly

12.0344, 0.3877, 0.5303

Deuteranomaly

11.8644, 0.3985, 0.5056

Tritanomaly

12.3763, 0.2834, 0.4262

Monochromacy



Original Color

12.6735, 0.3196, 0.5844

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.9746, 0.3275, 0.4510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6735, 0.3196, 0.5844 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(38, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(38, 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(38, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 115, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.6735, 0.3196, 0.5844 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(38, 115, 0) }
```

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

```
.border{ border-color:rgb(38, 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(38, 115, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(38, 115, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6735, 0.3196, 0.5844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 115, 0) }
```

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

```
.background{ background-color: rgb(38, 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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