

Converting Colors

$Y_{xy}(12.0951, 0.3253, 0.5798)$

Have a look what the booklet for
Yxy(12.0951, 0.3253, 0.5798)
contains.

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Color

Yxy(12.1019, 0.3254, 0.5799)

Conversions

Conversions Part 1

Format	Color
Hex	2B7000
RGB	43, 112, 0
RGB Percent	17%, 44%, 0%
CMY	0.8313, 0.5608, 1.0000
CMYK	0.62, 0.00, 1.00, 0.56
HSL	97°, 100%, 22%
HSV	97°, 100%, 44%
XYZ	6.7908, 12.1019, 1.9763
YIQ	78.6010, -5.1720, -49.4600

Conversions

Conversions Part 2

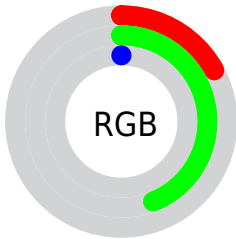
Format	Color
RYB	0, 112, 69
Decimal	2846720
CIELab	41.38, -39.84, 46.37
CIELCh	41, 61.134, 130.673
Yxy	12.1019, 0.3254, 0.5799
Android (android.graphics.Color)	4281036800 (0xFF2B7000)
YUV	78.6010, -38.7503, -31.2221
Hunter-Lab	34.7878, -26.0345, 20.9832

Details

The Yxy color **12.1019, 0.3254, 0.5799** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **2.4344, 0.2305, 0.1044**, and the grayscale version is **7.8160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8332, 0.3320, 0.5130**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.1025, 0.3254, 0.5798**, and if you desaturate by 10%, it is **12.2892, 0.3292, 0.5644**.

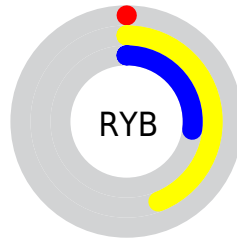
Distribution



Red (17%)

Green (44%)

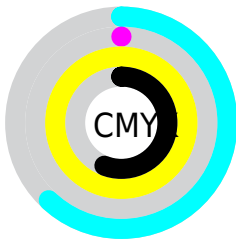
Blue (0%)



Red (0%)

Yellow (44%)

Blue (27%)

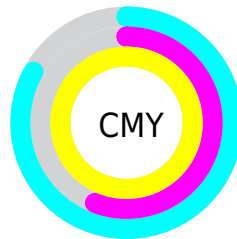


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (83%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1019, 0.3254, 0.5799 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 12.1019, 0.3254, 0.5799 by changing the saturation by 10% instead.


 12.1019, 0.3254,
0.5799

 12.1019, 0.3254,
0.5799


 205.0787, 0.3292,
0.4206


 6.8131, 0.3147,
0.6349


 29.6806, 0.3325,
0.5125


 3.3455, 0.2884,
0.7116

 42.7392, 0.3330,
0.4900


 1.3147, 0.1459,
0.8541

 59.1566, 0.3328,
0.4722

 0.1525, 0.0000,
1.0000


 79.3172, 0.3322,
0.4579


 0.0000, 0.0000,
0.0000


 103.6053, 0.3315,
0.4460


 132.4053, 0.3307,

0.4362


 166.1017, 0.3299,
0.4278


 12.1019, 0.3254,
0.5799


 12.1019, 0.3254,
0.5799


 12.1025, 0.3254,
0.5798

 12.2892, 0.3292,
0.5644

 12.5125, 0.3324,
0.5458

 12.7821, 0.3339,
0.5223

 13.1014, 0.3339,
0.4951

 13.4731, 0.3323,
0.4659

■ 13.8999, 0.3296,
0.4360

■ 14.3841, 0.3260,
0.4067

■ 14.9280, 0.3218,
0.3788

■ 15.5337, 0.3173,
0.3528

Harmonies

Analogous

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



12.1019, 0.4367, 0.5289



12.1019, 0.3254, 0.5799



12.1019, 0.2168, 0.5059

Triad

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



12.1019, 0.3254, 0.5799



12.1019, 0.1215, 0.1651



12.1019, 0.5096, 0.2792

Complementary

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



12.1019, 0.3254, 0.5799



2.4344, 0.2305, 0.1044

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.



12.1019, 0.3805, 0.2134



12.1019, 0.3254, 0.5799



12.1019, 0.1645, 0.1513

Square

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



12.1019, 0.3254, 0.5799



12.1019, 0.1129, 0.2215



12.1019, 0.2506, 0.1684



12.1019, 0.5637, 0.3542

Rectangle

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



12.1019, 0.3254, 0.5799



12.1019, 0.1610, 0.3971



12.1019, 0.2506, 0.1684



12.1019, 0.4717, 0.2558

Sweetspot

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



12.1025, 0.3254, 0.5798



25.1984, 0.3263, 0.4090



7.4830, 0.5068, 0.4358



5.9850, 0.3275, 0.4185



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.1025, 0.3254, 0.5798



21.1937, 0.3236, 0.5812



11.6132, 0.2969, 0.5888



3.8199, 0.3169, 0.3503



13.9785, 0.3249, 0.5802



69.1690, 0.3211, 0.5832

Inverse Universe

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



2.4344, 0.2305, 0.1044



4.2049, 0.2283, 0.1032



4.3805, 0.3465, 0.1683



3.3926, 0.3082, 0.3079



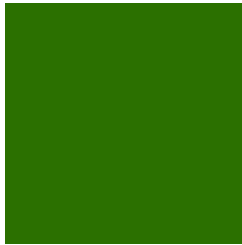
2.8010, 0.2299, 0.1040



13.4457, 0.2252, 0.1014

Previews

White Background



This preview shows how the Yxy color 12.1019, 0.3254, 0.5799 looks on a white background.

Color Contrast Check

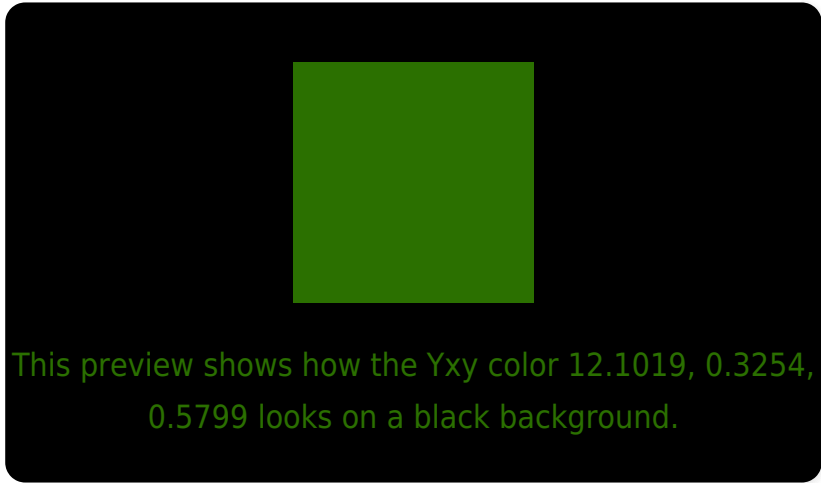
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1019, 0.3254, 0.5799

Background



This preview shows how black text looks on a background with the Yxy color 12.1019, 0.3254, 0.5799.



This preview shows how white text looks on a background with the Yxy color 12.1019, 0.3254, 0.5799.

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

12.1019, 0.3254, 0.5799

Protanopia

12.0504, 0.4389, 0.4897

Deuteranopia

11.8578, 0.4553, 0.4492



Tritanopia

12.1170, 0.2512, 0.3070

Trichromacy



Original Color

12.1019, 0.3254, 0.5799

Protanomaly

11.6789, 0.3920, 0.5269

Deuteranomaly

11.2853, 0.4028, 0.5016

Tritanomaly

11.7955, 0.2880, 0.4245

Monochromacy



Original Color

12.1019, 0.3254, 0.5799

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.8707, 0.3312, 0.4476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1019, 0.3254, 0.5799 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(43, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 112, 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(43, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.1019, 0.3254, 0.5799 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(43, 112, 0) }
```

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

```
.border{ border-color:rgb(43, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(43, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(43, 112, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.1019, 0.3254, 0.5799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 112, 0) }
```

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

```
.background{ background-color: rgb(43, 112,  
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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