

Converting Colors

$Y_{xy}(12.5844, 0.2997, 0.5854)$

Have a look what the booklet for
Yxy(12.5844, 0.2997, 0.5854)
contains.

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Color

Yxy(12.5844, 0.2997, 0.5854)

Conversions

Conversions Part 1

Format	Color
Hex	0A740D
RGB	10, 116, 13
RGB Percent	4%, 45%, 5%
CMY	0.9610, 0.5451, 0.9490
CMYK	0.91, 0.00, 0.89, 0.55
HSL	122°, 84%, 25%
HSV	122°, 91%, 45%
XYZ	6.4427, 12.5844, 2.4700
YIQ	72.5640, -30.1130, -54.5050

Conversions

Conversions Part 2

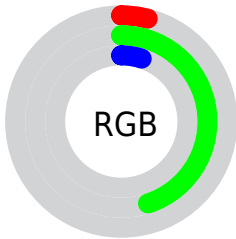
Format	Color
R_{YB}	10, 113, 116
Decimal	685069
CIE _{Lab}	42.13, -46.69, 43.61
CIE _{LCh}	42, 63.891, 136.958
Yxy	12.5844, 0.2997, 0.5854
Android (android.graphics.Color)	4278875149 (0xFF0A740D)
YUV	72.5640, -29.3651, -54.8686
Hunter-Lab	35.4745, -29.6622, 20.7039

Details

The Yxy color **12.5844, 0.2997, 0.5854** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.1203, 0.3270, 0.1627**, and the grayscale version is **6.6361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4867, 0.3126, 0.5148**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.4990, 0.2991, 0.5969**, and if you desaturate by 10%, it is **12.7242, 0.3001, 0.5671**.

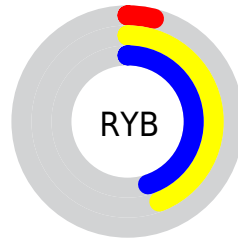
Distribution



Red (4%)

Green (45%)

Blue (5%)



Red (4%)

Yellow (44%)

Blue (45%)

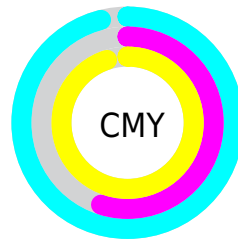


Cyan (91%)

Magenta (0%)

Yellow (89%)

Black (55%)



Cyan (96%)


Magenta (55%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5844, 0.2997, 0.5854 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 12.5844, 0.2997, 0.5854 by changing the saturation by 10% instead.


 12.5844, 0.2997,
0.5854


 12.5844, 0.2997,
0.5854


208.2367, 0.3183,
0.4206


 7.1430, 0.2839,
0.6420


 30.5551, 0.3124,
0.5144


 3.5517, 0.2586,
0.7414

 43.8532, 0.3150,
0.4912


 1.4261, 0.0873,
0.9127

 60.5389, 0.3165,
0.4729

 0.2358, 0.0000,
1.0000

 80.9968, 0.3173,
0.4583

 0.0000, 0.0000,
0.0000

 105.6110, 0.3179,
0.4463


 134.7662, 0.3181,

0.4363


 168.8466, 0.3183,
0.4278

 12.5844, 0.2997,
0.5854


 12.5844, 0.2997,
0.5854


 12.4990, 0.2991,
0.5969

 12.7242, 0.3001,
0.5671

 12.9420, 0.3010,
0.5419

 13.2475, 0.3023,
0.5118

 13.6486, 0.3039,
0.4789

 14.1525, 0.3057,
0.4455

■ 14.7656, 0.3075,
0.4133

■ 15.4937, 0.3093,
0.3833

■ 16.3423, 0.3110,
0.3562

■ 17.3165, 0.3125,
0.3322

Harmonies

Analogous

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



12.5844, 0.4147, 0.5501



12.5844, 0.2997, 0.5854



12.5844, 0.1934, 0.4792

Triad

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



12.5844, 0.2997, 0.5854



12.5844, 0.1237, 0.1554



12.5844, 0.5354, 0.2927

Complementary

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



12.5844, 0.2997, 0.5854



5.1203, 0.3270, 0.1627

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.



12.5844, 0.4129, 0.2233



12.5844, 0.2997, 0.5854



12.5844, 0.1754, 0.1488

Square

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



12.5844, 0.2997, 0.5854



12.5844, 0.1079, 0.2014



12.5844, 0.2734, 0.1723



12.5844, 0.5688, 0.3698

Rectangle

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



12.5844, 0.2997, 0.5854



12.5844, 0.1436, 0.3627



12.5844, 0.2734, 0.1723



12.5844, 0.5020, 0.2684

Sweetspot

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



12.5849, 0.2997, 0.5854



26.4083, 0.3082, 0.4018



16.1068, 0.4138, 0.5022



6.2232, 0.3077, 0.4098



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.



12.5849, 0.2997, 0.5854



21.9661, 0.2994, 0.5977



12.9345, 0.2678, 0.4734



4.0998, 0.3113, 0.3502



14.0252, 0.2992, 0.5970



68.3249, 0.2997, 0.5988

Inverse Universe

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



5.1203, 0.3270, 0.1627



8.6058, 0.3281, 0.1581



4.2683, 0.4726, 0.2472



3.7562, 0.3141, 0.3087



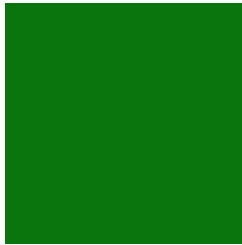
5.4957, 0.3280, 0.1580



26.7587, 0.3284, 0.1583

Previews

White Background



This preview shows how the Yxy color 12.5844, 0.2997, 0.5854 looks on a white background.

Color Contrast Check

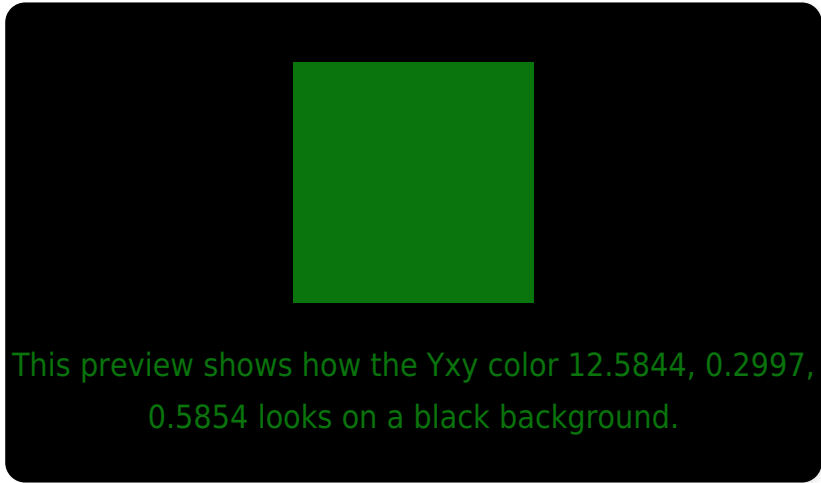
Large Text (above 18pt) WCAG AA ✓ Pass

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

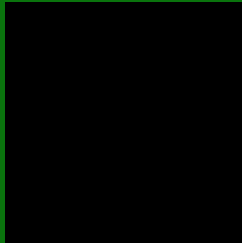
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.5844, 0.2997, 0.5854

Background



This preview shows how black text looks on a background with the Yxy color 12.5844, 0.2997, 0.5854.



This preview shows how white text looks on a background with the Yxy color 12.5844, 0.2997, 0.5854.

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

12.5844, 0.2997, 0.5854

Protanopia

12.3816, 0.4378, 0.4850

Deuteranopia

12.3743, 0.4517, 0.4463



Tritanopia

12.6624, 0.2385, 0.3069

Trichromacy



Original Color

12.5844, 0.2997, 0.5854

Protanomaly

11.6187, 0.3688, 0.5354

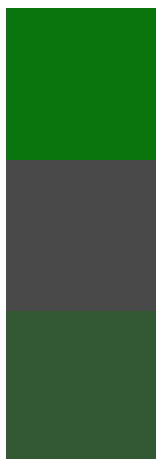
Deuteranomaly

11.4036, 0.3776, 0.5081

Tritanomaly

12.2907, 0.2646, 0.4175

Monochromacy



Original Color

12.5844, 0.2997, 0.5854

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

8.0619, 0.3057, 0.4492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5844, 0.2997, 0.5854 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(10, 116, 13)` looks like.

```
.text, #text, p{  
    color:rgb(10, 116, 13)  
}
```

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(10, 116, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 116, 13) }
```

Border

The CSS property to change the border of an element to Yxy 12.5844, 0.2997, 0.5854 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(10, 116, 13) }
```

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

```
.border{ border-color:rgb(10, 116, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 116, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 116, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 116, 13);  
box-shadow:4px 4px 4px 4px rgb(10, 116,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5844, 0.2997, 0.5854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 116, 13) }
```

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

```
.background{ background-color: rgb(10, 116,  
13) }
```

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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