

Converting Colors

$Y_{xy}(12.6436, 0.3002, 0.5847)$

Have a look what the booklet for
Yxy(12.6436, 0.3002, 0.5847)
contains.

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Color

Yxy(12.5980, 0.3004, 0.5849)

Conversions

Conversions Part 1

Format	Color
Hex	0C740D
RGB	12, 116, 13
RGB Percent	5%, 45%, 5%
CMY	0.9527, 0.5451, 0.9491
CMYK	0.90, 0.00, 0.89, 0.55
HSL	121°, 81%, 25%
HSV	121°, 90%, 45%
XYZ	6.4702, 12.5980, 2.4705
YIQ	73.1620, -28.9210, -54.0810

Conversions

Conversions Part 2

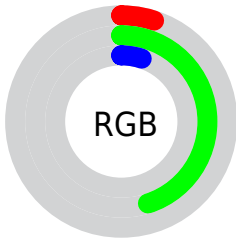
Format	Color
RYB	12, 115, 116
Decimal	816141
CIELab	42.15, -46.49, 43.64
CIELCh	42, 63.767, 136.814
Yxy	12.5980, 0.3004, 0.5849
Android (android.graphics.Color)	4279006221 (0xFF0C740D)
YUV	73.1620, -29.6599, -53.6391
Hunter-Lab	35.4937, -29.5747, 20.7188

Details

The Yxy color **12.5980, 0.3004, 0.5849** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.2176, 0.3225, 0.1613**, and the grayscale version is **6.7527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5305, 0.3133, 0.5144**, and **3.8964, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.4971, 0.2998, 0.5985**, and if you desaturate by 10%, it is **12.7490, 0.3012, 0.5659**.

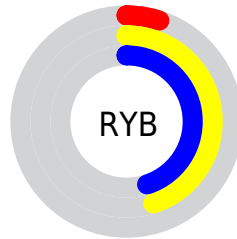
Distribution



Red (5%)

Green (45%)

Blue (5%)



Red (5%)

Yellow (45%)

Blue (45%)

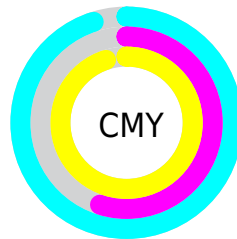


Cyan (90%)

Magenta (0%)

Yellow (89%)

Black (55%)



Cyan (95%)


Magenta (55%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5980, 0.3004, 0.5849 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 12.5980, 0.3004, 0.5849 by changing the saturation by 10% instead.


 12.5980, 0.3004,
0.5849


 12.5980, 0.3004,
0.5849


208.3250, 0.3186,
0.4205

 7.1523, 0.2848,
0.6413


 30.5797, 0.3129,
0.5141


 3.5575, 0.2597,
0.7403

 43.8844, 0.3154,
0.4909

 1.4293, 0.0913,
0.9087

 60.5777, 0.3169,
0.4727

 0.2381, 0.0000,
1.0000

 81.0438, 0.3177,
0.4581


 0.0000, 0.0000,
0.0000


 105.6672, 0.3182,
0.4461

 134.8323, 0.3184,

0.4361


 168.9234, 0.3185,
0.4277


 12.5980, 0.3004,
0.5849


 12.5980, 0.3004,
0.5849

 12.4971, 0.2998,
0.5985

 12.7490, 0.3012,
0.5659

 12.4931, 0.2997,
0.5990

 12.9801, 0.3023,
0.5400

 13.3012, 0.3037,
0.5091

 13.7200, 0.3053,
0.4757

 14.2437, 0.3070,
0.4418

■ 14.8786, 0.3086,
0.4093

■ 15.6307, 0.3101,
0.3792

■ 16.5055, 0.3115,
0.3521

■ 17.5079, 0.3128,
0.3281

Harmonies

Analogous

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



12.5980, 0.4152, 0.5494



12.5980, 0.3004, 0.5849



12.5980, 0.1941, 0.4796

Triad

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



12.5980, 0.3004, 0.5849



12.5980, 0.1238, 0.1558



12.5980, 0.5345, 0.2925

Complementary

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



12.5980, 0.3004, 0.5849



5.2176, 0.3225, 0.1613

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.



12.5980, 0.4120, 0.2232



12.5980, 0.3004, 0.5849



12.5980, 0.1753, 0.1490

Square

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



12.5980, 0.3004, 0.5849



12.5980, 0.1082, 0.2020



12.5980, 0.2729, 0.1723



12.5980, 0.5684, 0.3695

Rectangle

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



12.5980, 0.3004, 0.5849



12.5980, 0.1442, 0.3635



12.5980, 0.2729, 0.1723



12.5980, 0.5010, 0.2682

Sweetspot

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



12.5985, 0.3004, 0.5849



26.3904, 0.3089, 0.4033



16.2306, 0.4156, 0.4992



6.2187, 0.3085, 0.4115



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.



12.5985, 0.3004, 0.5849



21.9595, 0.2998, 0.5993



12.9401, 0.2690, 0.4752



4.0987, 0.3116, 0.3507



14.0199, 0.2997, 0.5991



68.3139, 0.2999, 0.5996

Inverse Universe

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



5.2176, 0.3225, 0.1613



8.7010, 0.3231, 0.1553



4.3482, 0.4623, 0.2433



3.7574, 0.3138, 0.3082



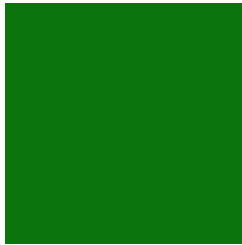
5.5554, 0.3230, 0.1553



27.0651, 0.3231, 0.1554

Previews

White Background



This preview shows how the Yxy color 12.5980, 0.3004, 0.5849 looks on a white background.

Color Contrast Check

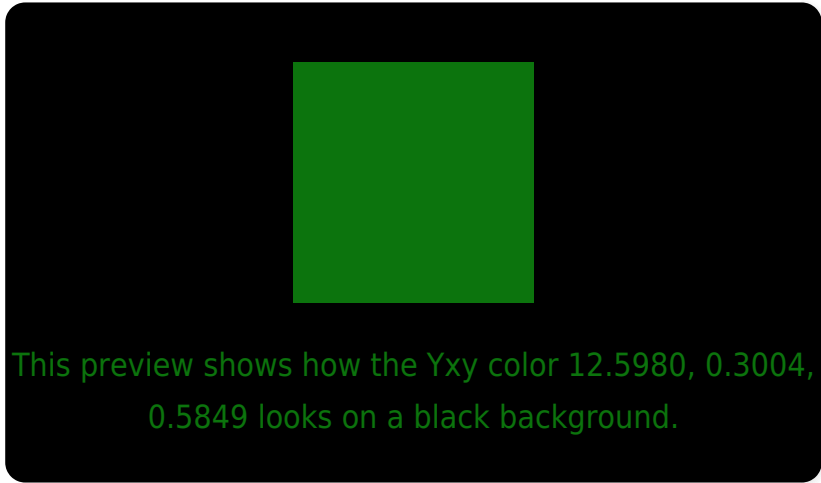
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5980, 0.3004, 0.5849

Background



This preview shows how black text looks on a background with the Yxy color 12.5980, 0.3004, 0.5849.



This preview shows how white text looks on a background with the Yxy color 12.5980, 0.3004, 0.5849.

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

12.5980, 0.3004, 0.5849

Protanopia

12.3816, 0.4378, 0.4850

Deuteranopia

12.3743, 0.4517, 0.4463



Tritanopia

12.6876, 0.2392, 0.3070

Trichromacy



Original Color

12.5980, 0.3004, 0.5849

Protanomaly

11.6594, 0.3703, 0.5343

Deuteranomaly

11.4036, 0.3776, 0.5081

Tritanomaly

12.3085, 0.2653, 0.4173

Monochromacy



Original Color

12.5980, 0.3004, 0.5849

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

8.0876, 0.3071, 0.4487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5980, 0.3004, 0.5849 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(12, 116, 13)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 116, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 116, 13) }
```

Border

The CSS property to change the border of an element to Yxy 12.5980, 0.3004, 0.5849 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(12, 116, 13) }
```

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

```
.border{ border-color:rgb(12, 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(12, 116, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 116, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 116, 13);  
box-shadow:4px 4px 4px 4px rgb(12, 116,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5980, 0.3004, 0.5849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 116, 13) }
```

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

```
.background{ background-color: rgb(12, 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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