

Converting Colors

$Y_{xy}(13.0989, 0.3002, 0.5802)$

Have a look what the booklet for
 $Y_{xy}(13.0989, 0.3002, 0.5802)$
contains.

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Color

Yxy(13.0989, 0.3002, 0.5802)

Conversions

Conversions Part 1

Format	Color
Hex	0F7611
RGB	15, 118, 17
RGB Percent	6%, 46%, 7%
CMY	0.9408, 0.5373, 0.9334
CMYK	0.87, 0.00, 0.86, 0.54
HSL	121°, 77%, 26%
HSV	121°, 87%, 46%
XYZ	6.7775, 13.0989, 2.7002
YIQ	75.6890, -28.9670, -53.2470

Conversions

Conversions Part 2

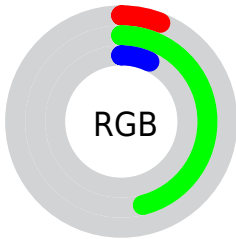
Format	Color
R_{YB}	15, 116, 118
Decimal	1013265
CIE _{Lab}	42.91, -46.59, 43.25
CIE _{LCh}	43, 63.571, 137.131
Yxy	13.0989, 0.3002, 0.5802
Android (android.graphics.Color)	4279203345 (0xFF0F7611)
YUV	75.6890, -28.9337, -53.2243
Hunter-Lab	36.1924, -29.9104, 20.9113

Details

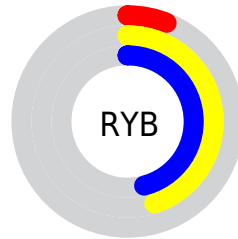
The Yxy color **13.0989, 0.3002, 0.5802** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.4592, 0.3244, 0.1639**, and the grayscale version is **7.2297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3619, 0.3121, 0.5112**, and **4.1342, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.9898, 0.2996, 0.5943**, and if you desaturate by 10%, it is **13.2748, 0.3009, 0.5592**.

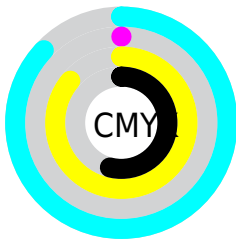
Distribution



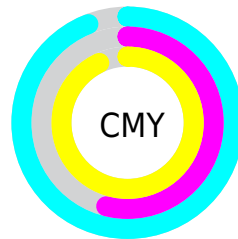
- Red (6%)
- Green (46%)
- Blue (7%)



- Red (6%)
- Yellow (45%)
- Blue (46%)



- Cyan (87%)
- Magenta (0%)
- Yellow (86%)
- Black (54%)





- Cyan (94%)
- Magenta (54%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0989, 0.3002, 0.5802 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 13.0989, 0.3002, 0.5802 by changing the saturation by 10% instead.


 13.0989, 0.3002,
0.5802


 13.0989, 0.3002,
0.5802

211.5505, 0.3180,
0.4194


 7.4967, 0.2853,
0.6348


 31.4813, 0.3123,
0.5111


 3.7746, 0.2636,
0.7364

 45.0304, 0.3147,
0.4885


 1.5483, 0.1250,
0.8750

 61.9971, 0.3162,
0.4707

 0.3224, 0.0000,
1.0000


 82.7660, 0.3170,
0.4564


 0.0000, 0.0000,
0.0000


 107.7214, 0.3175,
0.4446


 137.2477, 0.3178,


0.4348


 171.7292, 0.3179,
0.4265

 13.0989, 0.3002,
0.5802


 13.0989, 0.3002,
0.5802


 12.9898, 0.2996,
0.5943


 13.2748, 0.3009,
0.5592

 12.9615, 0.2995,
0.5980

 13.5362, 0.3021,
0.5318

 13.8928, 0.3035,
0.5001

 14.3525, 0.3052,
0.4665

 14.9226, 0.3069,
0.4331

■ 15.6094, 0.3086,
0.4013

■ 16.4190, 0.3102,
0.3721

■ 17.3570, 0.3117,
0.3459

■ 18.4285, 0.3131,
0.3229

Harmonies

Analogous

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



13.0989, 0.4137, 0.5477



13.0989, 0.3002, 0.5802



13.0989, 0.1951, 0.4752

Triad

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



13.0989, 0.3002, 0.5802



13.0989, 0.1261, 0.1576



13.0989, 0.5321, 0.2941

Complementary

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



13.0989, 0.3002, 0.5802



5.4592, 0.3244, 0.1639

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.



13.0989, 0.4121, 0.2252



13.0989, 0.3002, 0.5802



13.0989, 0.1777, 0.1510

Square

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



13.0989, 0.3002, 0.5802



13.0989, 0.1103, 0.2032



13.0989, 0.2749, 0.1745



13.0989, 0.5651, 0.3709

Rectangle

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



13.0989, 0.3002, 0.5802



13.0989, 0.1459, 0.3615



13.0989, 0.2749, 0.1745



13.0989, 0.4993, 0.2700

Sweetspot

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



13.0994, 0.3002, 0.5802



27.5215, 0.3087, 0.3995



16.7240, 0.4123, 0.4994



6.2482, 0.3083, 0.4078



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.



13.0994, 0.3002, 0.5802



22.7886, 0.2996, 0.5985



13.4796, 0.2673, 0.4662



4.0992, 0.3115, 0.3505



14.0224, 0.2995, 0.5981



68.3191, 0.2998, 0.5992

Inverse Universe

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



5.4592, 0.3244, 0.1639



8.9806, 0.3255, 0.1567



4.5753, 0.4626, 0.2463



3.7568, 0.3139, 0.3084



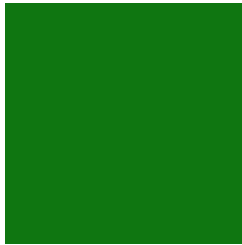
5.5267, 0.3254, 0.1566



26.9177, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 13.0989, 0.3002, 0.5802 looks on a white background.

Color Contrast Check

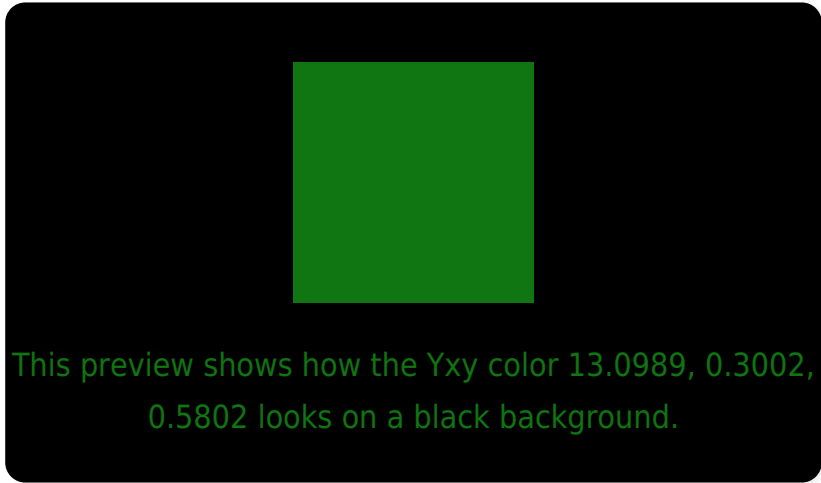
Large Text (above 18pt) WCAG AA ✓ Pass

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

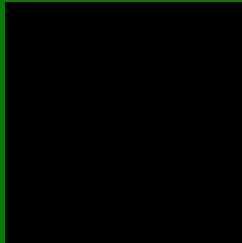
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0989, 0.3002, 0.5802

Background



This preview shows how black text looks on a background with the Yxy color 13.0989, 0.3002, 0.5802.



This preview shows how white text looks on a background with the Yxy color 13.0989, 0.3002, 0.5802.

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

13.0989, 0.3002, 0.5802

Protanopia

12.9113, 0.4351, 0.4818

Deuteranopia

12.9715, 0.4513, 0.4445



Tritanopia

13.1876, 0.2393, 0.3073

Trichromacy



Original Color

13.0989, 0.3002, 0.5802

Protanomaly

12.1668, 0.3692, 0.5299

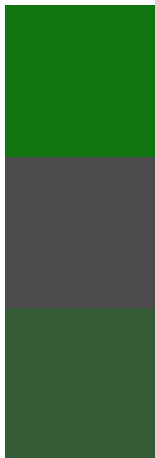
Deuteranomaly

11.9492, 0.3787, 0.5049

Tritanomaly

12.8315, 0.2647, 0.4128

Monochromacy



Original Color

13.0989, 0.3002, 0.5802

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.5423, 0.3061, 0.4393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0989, 0.3002, 0.5802 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(15, 118, 17)` looks like.

```
.text, #text, p{  
    color:rgb(15, 118, 17)  
}
```

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(15, 118, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 118, 17) }
```

Border

The CSS property to change the border of an element to Yxy 13.0989, 0.3002, 0.5802 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(15, 118, 17) }
```

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

```
.border{ border-color:rgb(15, 118, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 118, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 118, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 118, 17);  
box-shadow:4px 4px 4px 4px rgb(15, 118,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0989, 0.3002, 0.5802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 118, 17) }
```

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

```
.background{ background-color: rgb(15, 118,  
17) }
```

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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