

Converting Colors

$Y_{xy}(13.0085, 0.3201, 0.5884)$

Have a look what the booklet for
Yxy(13.0085, 0.3201, 0.5884)
contains.

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Color

Yxy(13.1346, 0.3189, 0.5850)

Conversions

Conversions Part 1

Format	Color
Hex	267500
RGB	38, 117, 0
RGB Percent	15%, 46%, 0%
CMY	0.8511, 0.5412, 1.0000
CMYK	0.68, 0.00, 1.00, 0.54
HSL	101°, 100%, 23%
HSV	101°, 100%, 46%
XYZ	7.1600, 13.1346, 2.1577
YIQ	80.0410, -9.5270, -53.1350

Conversions

Conversions Part 2

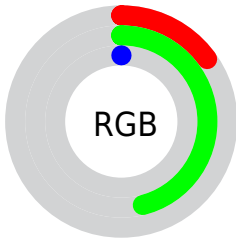
Format	Color
RYB	0, 117, 79
Decimal	2520320
CIELab	42.97, -42.99, 47.54
CIELCh	43, 64.099, 132.123
Yxy	13.1346, 0.3189, 0.5850
Android (android.graphics.Color)	4280710400 (0xFF267500)
YUV	80.0410, -39.4602, -36.8700
Hunter-Lab	36.2417, -28.1578, 21.8393

Details

The Yxy color **13.1346, 0.3189, 0.5850** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **2.9477, 0.2434, 0.1115**, and the grayscale version is **8.1096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5732, 0.3282, 0.5170**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.1352, 0.3189, 0.5850**, and if you desaturate by 10%, it is **13.3274, 0.3227, 0.5698**.

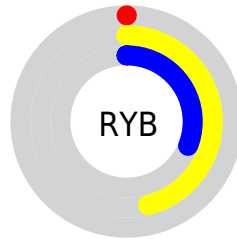
Distribution



Red (15%)

Green (46%)

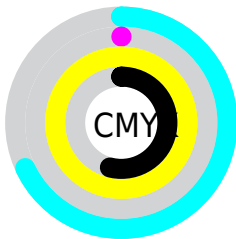
Blue (0%)



Red (0%)

Yellow (46%)

Blue (31%)

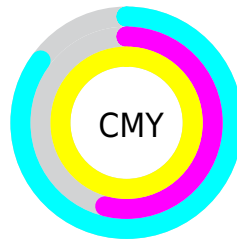


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (85%)


Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1346, 0.3189, 0.5850 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 13.1346, 0.3189, 0.5850 by changing the saturation by 10% instead.


 13.1346, 0.3189,
0.5850


 13.1346, 0.3189,
0.5850


211.7785, 0.3270,
0.4235


 7.5213, 0.3064,
0.6384


 31.5454, 0.3278,
0.5171


 3.7902, 0.2813,
0.7187

 45.1117, 0.3289,
0.4943

 1.5569, 0.1682,
0.8318

 62.0977, 0.3291,
0.4762

 0.3283, 0.0000,
1.0000


 82.8879, 0.3289,
0.4616


 0.0000, 0.0000,
0.0000


 107.8667, 0.3286,
0.4495


 137.4185, 0.3281,

0.4394


 171.9276, 0.3275,
0.4309


 13.1346, 0.3189,
0.5850


 13.1346, 0.3189,
0.5850


 13.1352, 0.3189,
0.5850

 13.3274, 0.3227,
0.5698

 13.5653, 0.3261,
0.5509

 13.8595, 0.3281,
0.5268

 14.2140, 0.3287,
0.4987

 14.6324, 0.3279,
0.4686

■ 15.1180, 0.3260,
0.4379

■ 15.6739, 0.3233,
0.4078

■ 16.3027, 0.3200,
0.3794

■ 17.0073, 0.3164,
0.3530

Harmonies

Analogous

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



13.1346, 0.4322, 0.5353



13.1346, 0.3189, 0.5850



13.1346, 0.2098, 0.5029

Triad

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



13.1346, 0.3189, 0.5850



13.1346, 0.1203, 0.1611



13.1346, 0.5183, 0.2815

Complementary

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



13.1346, 0.3189, 0.5850



2.9477, 0.2434, 0.1115

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.



13.1346, 0.3886, 0.2144



13.1346, 0.3189, 0.5850



13.1346, 0.1654, 0.1491

Square

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



13.1346, 0.3189, 0.5850



13.1346, 0.1099, 0.2152



13.1346, 0.2548, 0.1678



13.1346, 0.5680, 0.3573

Rectangle

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



13.1346, 0.3189, 0.5850



13.1346, 0.1551, 0.3899



13.1346, 0.2548, 0.1678



13.1346, 0.4808, 0.2577

Sweetspot

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



13.1352, 0.3189, 0.5850



27.9837, 0.3235, 0.4101



9.2313, 0.4897, 0.4493



6.3560, 0.3245, 0.4199



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.



13.1352, 0.3189, 0.5850



23.4521, 0.3173, 0.5863



12.7722, 0.2945, 0.5801



4.1506, 0.3161, 0.3506



14.4633, 0.3186, 0.5852



70.0637, 0.3152, 0.5880

Inverse Universe

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



2.9477, 0.2434, 0.1115



5.2033, 0.2415, 0.1104



4.6547, 0.3660, 0.1790



3.7012, 0.3090, 0.3078



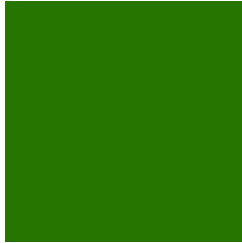
3.2390, 0.2431, 0.1113



15.3066, 0.2390, 0.1090

Previews

White Background



This preview shows how the Yxy color 13.1346, 0.3189, 0.5850 looks on a white background.

Color Contrast Check

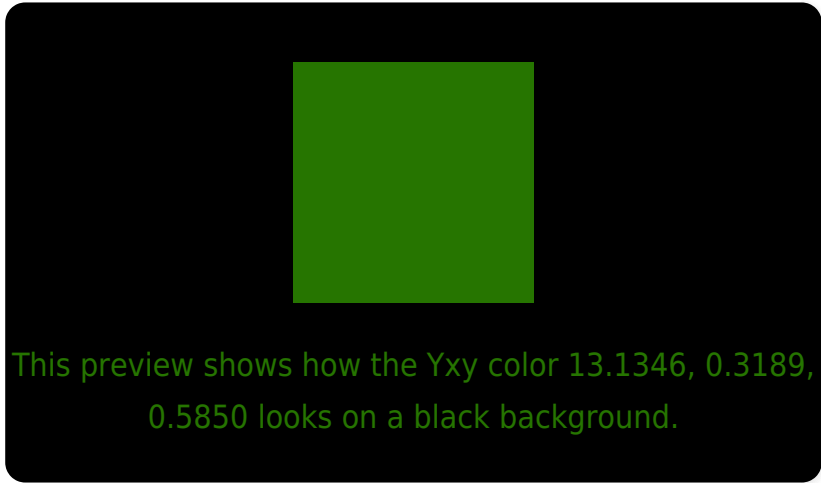
Large Text (above 18pt) WCAG AA ✓ Pass

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

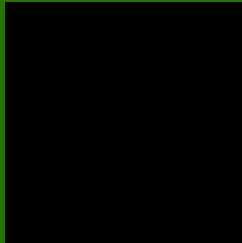
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1346, 0.3189, 0.5850

Background



This preview shows how black text looks on a background with the Yxy color 13.1346, 0.3189, 0.5850.



This preview shows how white text looks on a background with the Yxy color 13.1346, 0.3189, 0.5850.

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

13.1346, 0.3189, 0.5850

Protanopia

12.8848, 0.4399, 0.4889

Deuteranopia

12.9480, 0.4554, 0.4498



Tritanopia

13.2059, 0.2469, 0.3076

Trichromacy



Original Color

13.1346, 0.3189, 0.5850

Protanomaly

12.4938, 0.3867, 0.5312

Deuteranomaly

12.3709, 0.3985, 0.5050

Tritanomaly

12.8264, 0.2828, 0.4277

Monochromacy



Original Color

13.1346, 0.3189, 0.5850

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.1915, 0.3274, 0.4498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1346, 0.3189, 0.5850 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, 117, 0)` looks like.

```
.text, #text, p{  
  color:rgb(38, 117, 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, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.1346, 0.3189, 0.5850 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, 117, 0) }
```

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

```
.border{ border-color:rgb(38, 117, 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, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(38, 117, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1346, 0.3189, 0.5850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 117, 0) }
```

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

```
.background{ background-color: rgb(38, 117,  
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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