

Converting Colors

$Yxy(10.0916, 0.3241, 0.5808)$

Have a look what the booklet for
Yxy(10.0916, 0.3241, 0.5808)
contains.

Yxy(10.1126, 0.3244, 0.5806)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.1126, 0.3244, 0.5806)

Conversions

Conversions Part 1

Format	Color
Hex	266700
RGB	38, 103, 0
RGB Percent	15%, 40%, 0%
CMY	0.8509, 0.5961, 0.9999
CMYK	0.63, 0.00, 1.00, 0.60
HSL	98°, 100%, 20%
HSV	98°, 100%, 40%
XYZ	5.6502, 10.1126, 1.6547
YIQ	71.8230, -5.6770, -45.8130

Conversions

Conversions Part 2

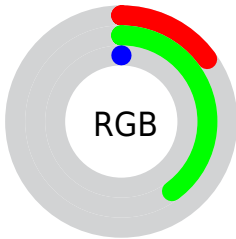
Format	Color
RYB	0, 103, 65
Decimal	2516736
CIELab	38.04, -37.81, 43.64
CIELCh	38, 57.739, 130.904
Yxy	10.1126, 0.3244, 0.5806
Android (android.graphics.Color)	4280706816 (0xFF266700)
YUV	71.8230, -35.4087, -29.6628
Hunter-Lab	31.8003, -23.9349, 19.1752

Details

The Yxy color **10.1126, 0.3244, 0.5806** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.1037, 0.2346, 0.1066**, and the grayscale version is **6.5127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0753, 0.3319, 0.5091**, and **2.7324, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.1127, 0.3244, 0.5806**, and if you desaturate by 10%, it is **10.2702, 0.3279, 0.5642**.

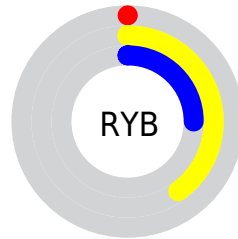
Distribution



Red (15%)

Green (40%)

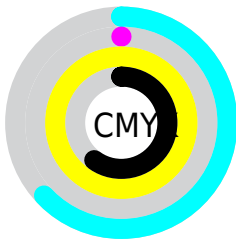
Blue (0%)



Red (0%)

Yellow (40%)

Blue (25%)

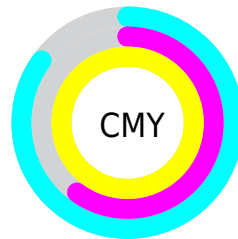


Cyan (63%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (85%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1126, 0.3244, 0.5806 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 10.1126, 0.3244, 0.5806 by changing the saturation by 10% instead.


 10.1126, 0.3244,
0.5806


 10.1126, 0.3244,
0.5806


 191.4738, 0.3284,
0.4172


 5.4737, 0.3153,
0.6458

 26.0071, 0.3319,
0.5098


 2.5278, 0.2800,
0.7200


 38.0314, 0.3324,
0.4867

 0.8905, 0.0000,
1.0000

 53.2864, 0.3321,
0.4687


 0.0000, 0.0000,
0.0000


 72.1563, 0.3315,
0.4542


 95.0256, 0.3307,
0.4424


 122.2787, 0.3299,


0.4326

 154.3000, 0.3292,
0.4243

 10.1126, 0.3244,
0.5806


 10.1126, 0.3244,
0.5806


 10.1127, 0.3244,
0.5806

 10.2702, 0.3279,
0.5642

 10.4576, 0.3310,
0.5452

 10.6842, 0.3325,
0.5214

 10.9528, 0.3325,
0.4941

 11.2656, 0.3311,
0.4649

■ 11.6249, 0.3285,
0.4351

■ 12.0326, 0.3252,
0.4060

■ 12.4907, 0.3213,
0.3783

■ 13.0008, 0.3170,
0.3525

Harmonies

Analogous

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



10.1126, 0.4367, 0.5307



10.1126, 0.3244, 0.5806



10.1126, 0.2157, 0.5054

Triad

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



10.1126, 0.3244, 0.5806



10.1126, 0.1213, 0.1645



10.1126, 0.5109, 0.2796

Complementary

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



10.1126, 0.3244, 0.5806



2.1037, 0.2346, 0.1066

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.



10.1126, 0.3817, 0.2136



10.1126, 0.3244, 0.5806



10.1126, 0.1647, 0.1510

Square

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



10.1126, 0.3244, 0.5806



10.1126, 0.1125, 0.2205



10.1126, 0.2513, 0.1684



10.1126, 0.5643, 0.3547

Rectangle

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



10.1126, 0.3244, 0.5806



10.1126, 0.1601, 0.3960



10.1126, 0.2513, 0.1684



10.1126, 0.4730, 0.2561

Sweetspot

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



10.1130, 0.3244, 0.5806



21.4761, 0.3255, 0.4086



6.4972, 0.5013, 0.4401



5.1827, 0.3266, 0.4175



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.1130, 0.3244, 0.5806



18.0446, 0.3224, 0.5822



9.7273, 0.2960, 0.5856



3.1872, 0.3166, 0.3499



12.7040, 0.3236, 0.5813



65.7962, 0.3196, 0.5844

Inverse Universe

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



2.1037, 0.2346, 0.1066



3.6980, 0.2323, 0.1053



3.6392, 0.3509, 0.1707



2.8411, 0.3085, 0.3083



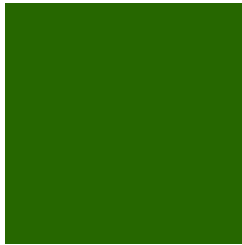
2.6256, 0.2336, 0.1061



13.1849, 0.2287, 0.1034

Previews

White Background



This preview shows how the Yxy color 10.1126, 0.3244, 0.5806 looks on a white background.

Color Contrast Check

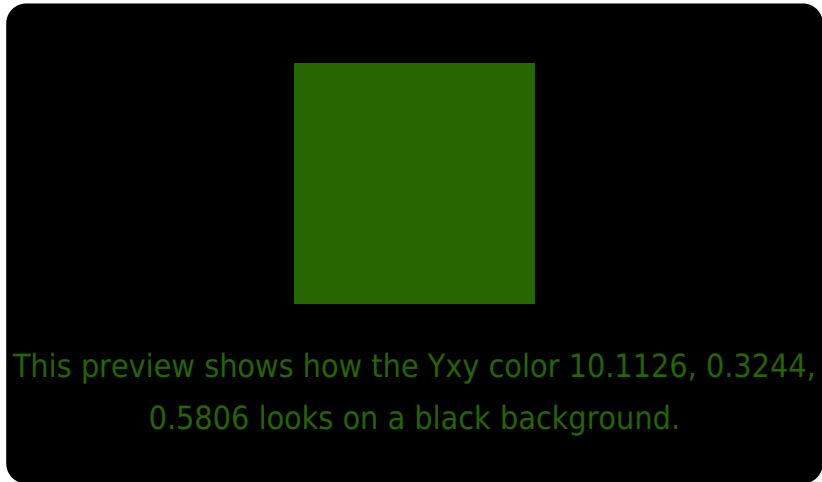
Large Text (above 18pt) WCAG AA ✓ Pass

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

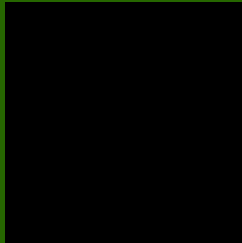
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1126, 0.3244, 0.5806

Background



This preview shows how black text looks on a background with the Yxy color 10.1126, 0.3244, 0.5806.



This preview shows how white text looks on a background with the Yxy color 10.1126, 0.3244, 0.5806.

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

10.1126, 0.3244, 0.5806

Protanopia

10.0790, 0.4386, 0.4899

Deuteranopia

9.9997, 0.4532, 0.4498



Tritanopia

10.1858, 0.2518, 0.3104

Trichromacy



Original Color

10.1126, 0.3244, 0.5806

Protanomaly

9.8041, 0.3900, 0.5285

Deuteranomaly

9.6173, 0.3999, 0.5025

Tritanomaly

9.9700, 0.2867, 0.4259

Monochromacy



Original Color

10.1126, 0.3244, 0.5806

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.3444, 0.3301, 0.4449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1126, 0.3244, 0.5806 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, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(38, 103, 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, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.1126, 0.3244, 0.5806 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, 103, 0) }
```

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

```
.border{ border-color:rgb(38, 103, 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, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(38, 103, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.1126, 0.3244, 0.5806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 103, 0) }
```

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

```
.background{ background-color: rgb(38, 103,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor