

Converting Colors

$Y_{xy}(13.2376, 0.3015, 0.5365)$

Have a look what the booklet for
Yxy(13.2376, 0.3015, 0.5365)
contains.

Yxy(13.2376, 0.3015, 0.5365)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.2376, 0.3015, 0.5365)

Conversions

Conversions Part 1

Format	Color
Hex	247526
RGB	36, 117, 38
RGB Percent	14%, 46%, 15%
CMY	0.8588, 0.5412, 0.8510
CMYK	0.69, 0.00, 0.68, 0.54
HSL	121°, 53%, 30%
HSV	121°, 69%, 46%
XYZ	7.4392, 13.2376, 3.9972
YIQ	83.7750, -22.9170, -41.7410

Conversions

Conversions Part 2

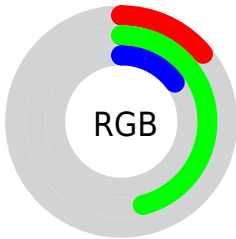
Format	Color
R _Y B	36, 115, 117
Decimal	2389286
CIE Lab	43.12, -40.95, 35.46
CIE LCh	43, 54.165, 139.107
Yxy	13.2376, 0.3015, 0.5365
Android (android.graphics.Color)	4280579366 (0xFF247526)
YUV	83.7750, -22.5671, -41.8987
Hunter-Lab	36.3835, -27.1739, 18.9547

Details

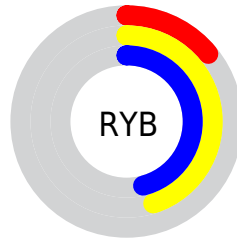
The Yxy color **13.2376, 0.3015, 0.5365** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **6.2828, 0.3235, 0.1837**, and the grayscale version is **8.8692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7647, 0.3102, 0.4781**, and **4.0143, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **12.9982, 0.3005, 0.5629**, and if you desaturate by 10%, it is **13.5696, 0.3029, 0.5055**.

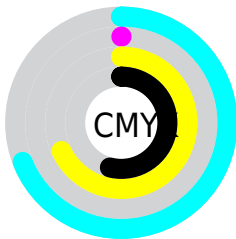
Distribution



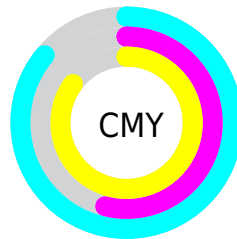
- Red (14%)
- Green (46%)
- Blue (15%)



- Red (14%)
- Yellow (45%)
- Blue (46%)



- Cyan (69%)
- Magenta (0%)
- Yellow (68%)
- Black (54%)





- Cyan (86%)
- Magenta (54%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2376, 0.3015, 0.5365 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 13.2376, 0.3015, 0.5365 by changing the saturation by 10% instead.


 13.2376, 0.3015,
0.5365

 13.2376, 0.3015,
0.5365


212.4349, 0.3149,
0.4036

 7.5924, 0.2912,
0.5839


 31.7300, 0.3100,
0.4787


 3.8352, 0.2764,
0.6699

 45.3459, 0.3119,
0.4601

 1.5818, 0.1941,
0.8059

 62.3876, 0.3130,
0.4455

 0.3453, 0.0000,
1.0000

 83.2393, 0.3137,
0.4338

 0.0000, 0.0000,
0.0000

 108.2855, 0.3142,
0.4242

 137.9105, 0.3145,

0.4162

172.4989, 0.3147,
0.4094

■ 13.2376, 0.3015,
0.5365

■ 13.2376, 0.3015,
0.5365

■ 12.9982, 0.3005,
0.5629

■ 13.5696, 0.3029,
0.5055

■ 12.8405, 0.2999,
0.5826

■ 14.0005, 0.3045,
0.4723

■ 12.7370, 0.2993,
0.5963

■ 14.5379, 0.3063,
0.4388

■ 12.7291, 0.2993,
0.5973

■ 15.1882, 0.3080,
0.4069

■ 15.9574, 0.3098,
0.3773

■ 16.8510, 0.3114,
0.3508

■ 17.8741, 0.3128,
0.3273

■ 19.0316, 0.3142,
0.3067

■ 20.3282, 0.3153,
0.2889

Harmonies

Analogous

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



13.2376, 0.4029, 0.5263



13.2376, 0.3015, 0.5365



13.2376, 0.2080, 0.4418

Triad

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



13.2376, 0.3015, 0.5365



13.2376, 0.1480, 0.1761



13.2376, 0.5049, 0.3068

Complementary

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



13.2376, 0.3015, 0.5365



6.2828, 0.3235, 0.1837

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.



13.2376, 0.4065, 0.2422



13.2376, 0.3015, 0.5365



13.2376, 0.1987, 0.1708

Square

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



13.2376, 0.3015, 0.5365



13.2376, 0.1317, 0.2172



13.2376, 0.2884, 0.1941



13.2376, 0.5326, 0.3790

Rectangle

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



13.2376, 0.3015, 0.5365



13.2376, 0.1641, 0.3501



13.2376, 0.2884, 0.1941



13.2376, 0.4782, 0.2841

Sweetspot

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



13.2382, 0.3015, 0.5365



28.2347, 0.3094, 0.3840



16.5394, 0.4009, 0.4793



6.4229, 0.3090, 0.3901



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.



13.2382, 0.3015, 0.5365



23.0916, 0.3001, 0.5755



13.6462, 0.2688, 0.4336



4.0995, 0.3114, 0.3503



14.0241, 0.2993, 0.5975



68.3225, 0.2997, 0.5989

Inverse Universe

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



6.2828, 0.3235, 0.1837



9.7097, 0.3254, 0.1663



5.5550, 0.4188, 0.2517



3.7565, 0.3140, 0.3086



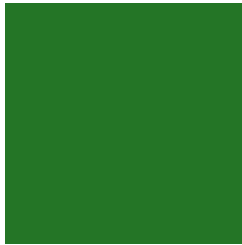
5.5082, 0.3269, 0.1575



26.8225, 0.3273, 0.1576

Previews

White Background



This preview shows how the Yxy color 13.2376, 0.3015, 0.5365 looks on a white background.

Color Contrast Check

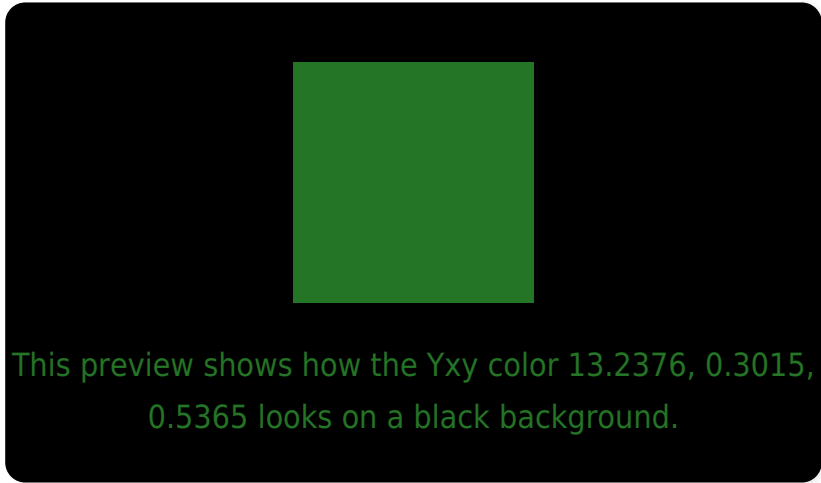
Large Text (above 18pt) WCAG AA ✓ Pass

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

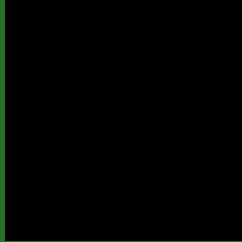
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2376, 0.3015, 0.5365

Background



This preview shows how black text looks on a background with the Yxy color 13.2376, 0.3015, 0.5365.



This preview shows how white text looks on a background with the Yxy color 13.2376, 0.3015, 0.5365.

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

13.2376, 0.3015, 0.5365

Protanopia

13.1289, 0.4172, 0.4623

Deuteranopia

12.9908, 0.4342, 0.4253



Tritanopia

13.1448, 0.2452, 0.3075

Trichromacy



Original Color

13.2376, 0.3015, 0.5365

Protanomaly

12.5680, 0.3664, 0.4948

Deuteranomaly

12.3950, 0.3752, 0.4706

Tritanomaly

12.9877, 0.2669, 0.3890

Monochromacy



Original Color

13.2376, 0.3015, 0.5365

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.9643, 0.3089, 0.4098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2376, 0.3015, 0.5365 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(36, 117, 38)` looks like.

```
.text, #text, p{  
    color:rgb(36, 117, 38)  
}
```

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(36, 117, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 117, 38) }
```

Border

The CSS property to change the border of an element to Yxy 13.2376, 0.3015, 0.5365 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(36, 117, 38) }
```

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

```
.border{ border-color:rgb(36, 117, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 117, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 117, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 117, 38);  
box-shadow:4px 4px 4px 4px rgb(36, 117,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2376, 0.3015, 0.5365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 117, 38) }
```

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

```
.background{ background-color: rgb(36, 117,  
38) }
```

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