

Converting Colors

$Y_{xy}(13.9686, 0.3159, 0.5478)$

Have a look what the booklet for
Yxy(13.9686, 0.3159, 0.5478)
contains.

Yxy(13.8917, 0.3153, 0.5473)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8917, 0.3153, 0.5473)

Conversions

Conversions Part 1

Format	Color
Hex	2F771E
RGB	47, 119, 30
RGB Percent	18%, 47%, 12%
CMY	0.8157, 0.5333, 0.8824
CMYK	0.61, 0.00, 0.75, 0.53
HSL	109°, 60%, 29%
HSV	109°, 75%, 47%
XYZ	8.0030, 13.8917, 3.4875
YIQ	87.3260, -14.3430, -42.9430

Conversions

Conversions Part 2

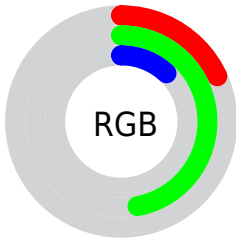
Format	Color
R_{YB}	30, 119, 102
Decimal	3110686
CIE _{Lab}	44.08, -39.80, 40.07
CIE _{LCh}	44, 56.476, 134.812
Yxy	13.8917, 0.3153, 0.5473
Android (android.graphics.Color)	4281300766 (0xFF2F771E)
YUV	87.3260, -28.2617, -35.3659
Hunter-Lab	37.2716, -26.8974, 20.5423

Details

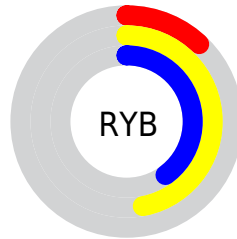
The Yxy color **13.8917, 0.3153, 0.5473** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.0860, 0.2871, 0.1574**, and the grayscale version is **9.6691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9090, 0.3217, 0.4884**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.6385, 0.3126, 0.5698**, and if you desaturate by 10%, it is **14.2196, 0.3171, 0.5196**.

Distribution



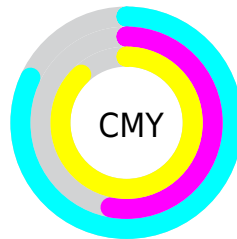
- Red (18%)
- Green (47%)
- Blue (12%)



- Red (12%)
- Yellow (47%)
- Blue (40%)



- Cyan (61%)
- Magenta (0%)
- Yellow (75%)
- Black (53%)




- Cyan (82%)
- Magenta (53%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8917, 0.3153, 0.5473 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 13.8917, 0.3153, 0.5473 by changing the saturation by 10% instead.


 13.8917, 0.3153,
0.5473


 13.8917, 0.3153,
0.5473


216.5560, 0.3216,
0.4093


 8.0454, 0.3063,
0.5941


 32.8967, 0.3214,
0.4884


 4.1240, 0.2972,
0.6860

 46.8243, 0.3223,
0.4691


 1.7432, 0.2262,
0.7738

 64.2143, 0.3226,
0.4538

 0.4514, 0.0000,
1.0000

 85.4512, 0.3226,
0.4414


 0.0000, 0.0000,
0.0000

 110.9195, 0.3224,
0.4313


 141.0034, 0.3222,


0.4228


 176.0875, 0.3219,
0.4155

 13.8917, 0.3153,
0.5473


 13.8917, 0.3153,
0.5473


 13.6385, 0.3126,
0.5698


 14.2196, 0.3171,
0.5196


 13.4512, 0.3094,
0.5860

 14.6258, 0.3181,
0.4886

 13.3733, 0.3082,
0.5935

 15.1157, 0.3182,
0.4563

 15.6938, 0.3177,
0.4243

 16.3641, 0.3166,
0.3939

■ 17.1307, 0.3152,
0.3657

■ 17.9971, 0.3136,
0.3403

■ 18.9667, 0.3118,
0.3175

■ 20.0429, 0.3100,
0.2973

Harmonies

Analogous

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



13.8917, 0.4178, 0.5221



13.8917, 0.3153, 0.5473



13.8917, 0.2172, 0.4644

Triad

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



13.8917, 0.3153, 0.5473



13.8917, 0.1406, 0.1764



13.8917, 0.4990, 0.2957

Complementary

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



13.8917, 0.3153, 0.5473



5.0860, 0.2871, 0.1574

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.



13.8917, 0.3910, 0.2320



13.8917, 0.3153, 0.5473



13.8917, 0.1865, 0.1668

Square

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



13.8917, 0.3153, 0.5473



13.8917, 0.1286, 0.2241



13.8917, 0.2721, 0.1864



13.8917, 0.5385, 0.3680

Rectangle

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



13.8917, 0.3153, 0.5473



13.8917, 0.1687, 0.3703



13.8917, 0.2721, 0.1864



13.8917, 0.4684, 0.2732

Sweetspot

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



13.8923, 0.3153, 0.5473



29.5932, 0.3163, 0.3874



13.3626, 0.4312, 0.4604



6.9475, 0.3166, 0.3936



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.8923, 0.3153, 0.5473



24.1604, 0.3102, 0.5823



13.7629, 0.2839, 0.4968



4.1288, 0.3143, 0.3507



14.2040, 0.3080, 0.5936



68.9303, 0.3055, 0.5956

Inverse Universe

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



5.0860, 0.2871, 0.1574



7.3961, 0.2786, 0.1358



5.6286, 0.3795, 0.2132



3.7243, 0.3109, 0.3079



4.0696, 0.2747, 0.1287



19.4795, 0.2721, 0.1273

Previews

White Background



This preview shows how the Yxy color 13.8917, 0.3153, 0.5473 looks on a white background.

Color Contrast Check

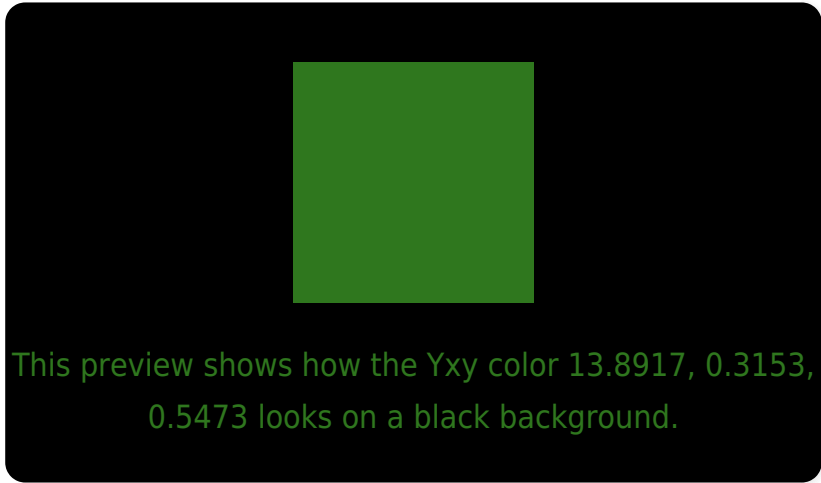
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8917, 0.3153, 0.5473

Background



This preview shows how black text looks on a background with the Yxy color 13.8917, 0.3153, 0.5473.



This preview shows how white text looks on a background with the Yxy color 13.8917, 0.3153, 0.5473.

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

13.8917, 0.3153, 0.5473

Protanopia

13.6882, 0.4255, 0.4721

Deuteranopia

13.7307, 0.4423, 0.4380



Tritanopia

13.8832, 0.2513, 0.3081

Trichromacy



Original Color

13.8917, 0.3153, 0.5473

Protanomaly

13.2406, 0.3797, 0.5037

Deuteranomaly

13.0821, 0.3892, 0.4802

Tritanomaly

13.6526, 0.2778, 0.3975

Monochromacy



Original Color

13.8917, 0.3153, 0.5473

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

10.6947, 0.3171, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8917, 0.3153, 0.5473 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(47, 119, 30)` looks like.

```
.text, #text, p{  
    color:rgb(47, 119, 30)  
}
```

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(47, 119, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 119, 30) }
```

Border

The CSS property to change the border of an element to Yxy 13.8917, 0.3153, 0.5473 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(47, 119, 30) }
```

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

```
.border{ border-color:rgb(47, 119, 30) }
```

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

Here you see how a box with a 4 pixel rgb(47, 119, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 119, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 119, 30);  
box-shadow:4px 4px 4px 4px rgb(47, 119,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8917, 0.3153, 0.5473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 119, 30) }
```

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

```
.background{ background-color: rgb(47, 119,  
30) }
```

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