

Converting Colors

$Y_{xy}(13.8560, 0.3167, 0.5817)$

Have a look what the booklet for
Yxy(13.8560, 0.3167, 0.5817)
contains.

Yxy(13.8560, 0.3167, 0.5817)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.8560, 0.3167, 0.5817)

Conversions

Conversions Part 1

Format	Color
Hex	267805
RGB	38, 120, 5
RGB Percent	15%, 47%, 2%
CMY	0.8509, 0.5294, 0.9804
CMYK	0.68, 0.00, 0.96, 0.53
HSL	103°, 92%, 25%
HSV	103°, 96%, 47%
XYZ	7.5437, 13.8560, 2.4201
YIQ	82.3720, -11.9570, -53.1490

Conversions

Conversions Part 2

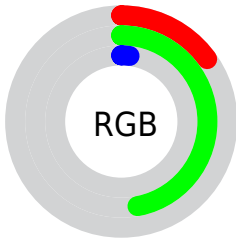
Format	Color
RYB	5, 120, 87
Decimal	2521093
CIELab	44.03, -43.86, 47.26
CIELCh	44, 64.474, 132.861
Yxy	13.8560, 0.3167, 0.5817
Android (android.graphics.Color)	4280711173 (0xFF267805)
YUV	82.3720, -38.1444, -38.9142
Hunter-Lab	37.2236, -28.9666, 22.2018

Details

The Yxy color **13.8560, 0.3167, 0.5817** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.4895, 0.2550, 0.1207**, and the grayscale version is **8.5980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7441, 0.3258, 0.5155**, and **4.3803, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.7811, 0.3153, 0.5879**, and if you desaturate by 10%, it is **14.0679, 0.3206, 0.5658**.

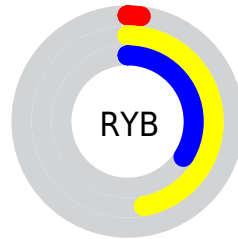
Distribution



Red (15%)

Green (47%)

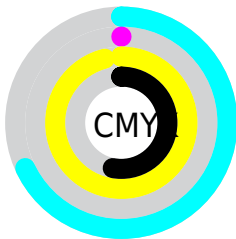
Blue (2%)



Red (2%)

Yellow (47%)

Blue (34%)

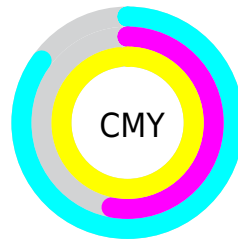


Cyan (68%)

Magenta (0%)

Yellow (96%)

Black (53%)



Cyan (85%)


Magenta (53%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8560, 0.3167, 0.5817 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 13.8560, 0.3167, 0.5817 by changing the saturation by 10% instead.


 13.8560, 0.3167,
0.5817


 13.8560, 0.3167,
0.5817


216.3332, 0.3256,
0.4230


 8.0206, 0.3041,
0.6330


 32.8333, 0.3256,
0.5151


 4.1081, 0.2828,
0.7172

 46.7440, 0.3268,
0.4927


 1.7342, 0.1894,
0.8106

 64.1152, 0.3272,
0.4749

 0.4457, 0.0000,
1.0000


 85.3313, 0.3272,
0.4605

 0.0000, 0.0000,
0.0000

 110.7768, 0.3269,
0.4487


 140.8360, 0.3265,

0.4387


 175.8933, 0.3261,
0.4302

 13.8560, 0.3167,
0.5817

 13.8560, 0.3167,
0.5817

 13.7811, 0.3153,
0.5879

 14.0679, 0.3206,
0.5658

 14.3377, 0.3235,
0.5444

 14.6726, 0.3251,
0.5180

 15.0770, 0.3255,
0.4883

 15.5549, 0.3247,
0.4572

■ 16.1099, 0.3229,
0.4261

■ 16.7454, 0.3205,
0.3963

■ 17.4647, 0.3177,
0.3683

■ 18.2707, 0.3146,
0.3428

Harmonies

Analogous

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



13.8560, 0.4290, 0.5357



13.8560, 0.3167, 0.5817



13.8560, 0.2088, 0.4968

Triad

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



13.8560, 0.3167, 0.5817



13.8560, 0.1224, 0.1619



13.8560, 0.5184, 0.2840

Complementary

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



13.8560, 0.3167, 0.5817



3.4895, 0.2550, 0.1207

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.



13.8560, 0.3914, 0.2170



13.8560, 0.3167, 0.5817



13.8560, 0.1683, 0.1506

Square

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



13.8560, 0.3167, 0.5817



13.8560, 0.1113, 0.2145



13.8560, 0.2583, 0.1699



13.8560, 0.5654, 0.3596

Rectangle

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



13.8560, 0.3167, 0.5817



13.8560, 0.1551, 0.3852



13.8560, 0.2583, 0.1699



13.8560, 0.4819, 0.2603

Sweetspot

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



13.8566, 0.3167, 0.5817



29.0017, 0.3215, 0.4076



10.5799, 0.4759, 0.4552



6.7814, 0.3224, 0.4181



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.



13.8566, 0.3167, 0.5817



24.1766, 0.3138, 0.5890



13.5492, 0.2926, 0.5673



4.5006, 0.3156, 0.3508



15.0275, 0.3150, 0.5881



71.3007, 0.3119, 0.5905

Inverse Universe

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



3.4895, 0.2550, 0.1207



5.7568, 0.2502, 0.1152



4.9646, 0.3734, 0.1862



4.0225, 0.3095, 0.3076



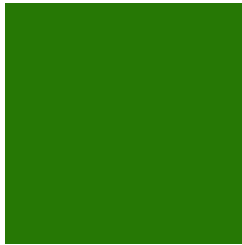
3.6066, 0.2516, 0.1160



16.7545, 0.2480, 0.1140

Previews

White Background



This preview shows how the Yxy color 13.8560, 0.3167, 0.5817 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



This preview shows how the Yxy color 13.8560, 0.3167, 0.5817 looks on a 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 13.8560, 0.3167, 0.5817

Background



This preview shows how black text looks on a background with the Yxy color 13.8560, 0.3167, 0.5817.



This preview shows how white text looks on a background with the Yxy color 13.8560, 0.3167, 0.5817.

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

13.8560, 0.3167, 0.5817

Protanopia

13.6825, 0.4394, 0.4893

Deuteranopia

13.5558, 0.4559, 0.4491



Tritanopia

13.9609, 0.2464, 0.3080

Trichromacy



Original Color

13.8560, 0.3167, 0.5817

Protanomaly

13.2310, 0.3853, 0.5304

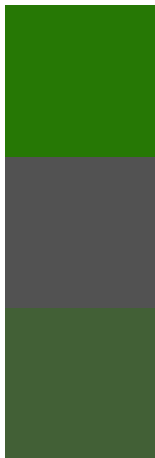
Deuteranomaly

12.8931, 0.3980, 0.5034

Tritanomaly

13.5829, 0.2804, 0.4227

Monochromacy



Original Color

13.8560, 0.3167, 0.5817

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.7903, 0.3241, 0.4472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8560, 0.3167, 0.5817 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, 120, 5)` looks like.

```
.text, #text, p{  
    color:rgb(38, 120, 5)  
}
```

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, 120, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 120, 5) }
```

Border

The CSS property to change the border of an element to Yxy 13.8560, 0.3167, 0.5817 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, 120, 5) }
```

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

```
.border{ border-color:rgb(38, 120, 5) }
```

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

Here you see how a box with a 4 pixel rgb(38, 120, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 120, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 120, 5);  
box-shadow:4px 4px 4px 4px rgb(38, 120, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8560, 0.3167, 0.5817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 120, 5) }
```

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

```
.background{ background-color: rgb(38, 120,  
5) }
```

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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