

Converting Colors

$Y_{xy}(13.5221, 0.2659, 0.5518)$

Have a look what the booklet for
Yxy(13.5221, 0.2659, 0.5518)
contains.

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Color

Yxy(13.8419, 0.2837, 0.5412)

Conversions

Conversions Part 1

Format	Color
Hex	00792A
RGB	0, 121, 42
RGB Percent	0%, 47%, 16%
CMY	0.9996, 0.5255, 0.8353
CMYK	1.00, 0.00, 0.65, 0.53
HSL	141°, 100%, 24%
HSV	141°, 100%, 47%
XYZ	7.2560, 13.8419, 4.4784
YIQ	75.8150, -46.7570, -50.2210

Conversions

Conversions Part 2

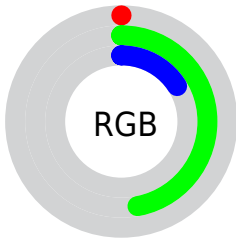
Format	Color
RYB	0, 90, 121
Decimal	31018
CIELab	44.01, -46.54, 34.42
CIElCh	44, 57.882, 143.512
Yxy	13.8419, 0.2837, 0.5412
Android (android.graphics.Color)	4278221098 (0xFF00792A)
YUV	75.8150, -16.6708, -66.4898
Hunter-Lab	37.2047, -30.2955, 18.9064

Details

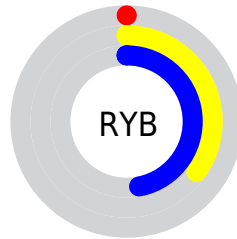
The Yxy color **13.8419, 0.2837, 0.5412** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.6333, 0.4275, 0.2129**, and the grayscale version is **7.2347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9931, 0.2962, 0.4819**, and **4.5065, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.8413, 0.2837, 0.5414**, and if you desaturate by 10%, it is **13.9837, 0.2817, 0.5207**.

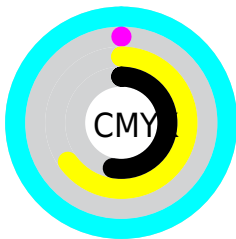
Distribution



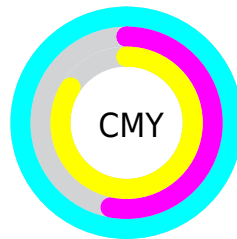
- Red (0%)
- Green (47%)
- Blue (16%)



- Red (0%)
- Yellow (35%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8419, 0.2837, 0.5412 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 13.8419, 0.2837, 0.5412 by changing the saturation by 10% instead.


 13.8419, 0.2837,
0.5412


 13.8419, 0.2837,
0.5412


216.2451, 0.3077,
0.4050


 8.0108, 0.2704,
0.5902


 32.8082, 0.2964,
0.4818


 4.1019, 0.2485,
0.6717

 46.7123, 0.2998,
0.4628


 1.7307, 0.1632,
0.8368

 64.0760, 0.3021,
0.4478

 0.4434, 0.0000,
1.0000

 85.2840, 0.3039,
0.4359

 0.0000, 0.0000,
0.0000

 110.7204, 0.3052,
0.4261

 140.7698, 0.3062,

0.4179

175.8166, 0.3070,
0.4109

13.8419, 0.2837,
0.5412

13.8419, 0.2837,
0.5412

13.8413, 0.2837,
0.5414

13.9837, 0.2817,
0.5207

14.1761, 0.2805,
0.4983

14.4470, 0.2809,
0.4745

14.8047, 0.2829,
0.4502

15.2563, 0.2862,
0.4262

■ 15.8082, 0.2905,
0.4034

■ 16.4662, 0.2955,
0.3820

■ 17.2358, 0.3011,
0.3624

■ 18.1219, 0.3069,
0.3447

Harmonies

Analogous

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



13.8419, 0.3894, 0.5424



13.8419, 0.2837, 0.5412



13.8419, 0.1908, 0.4270

Triad

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



13.8419, 0.2837, 0.5412



13.8419, 0.1472, 0.1672



13.8419, 0.5242, 0.3150

Complementary

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



13.8419, 0.2837, 0.5412



4.6333, 0.4275, 0.2129

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.



13.8419, 0.4292, 0.2472



13.8419, 0.2837, 0.5412



13.8419, 0.2047, 0.1667

Square

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



13.8419, 0.2837, 0.5412



13.8419, 0.1254, 0.2025



13.8419, 0.3038, 0.1946



13.8419, 0.5393, 0.3900

Rectangle

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



13.8419, 0.2837, 0.5412



13.8419, 0.1503, 0.3301



13.8419, 0.3038, 0.1946



13.8419, 0.5001, 0.2915

Sweetspot

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



13.8425, 0.2837, 0.5412



29.3810, 0.2951, 0.3837



15.4111, 0.3638, 0.5493



6.6235, 0.2933, 0.3908



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.



13.8425, 0.2837, 0.5412



24.7615, 0.2849, 0.5457



14.6120, 0.2391, 0.3805



4.4708, 0.3074, 0.3433



14.8311, 0.2839, 0.5419



70.5995, 0.2864, 0.5511

Inverse Universe

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



4.6333, 0.4275, 0.2129



8.2651, 0.4309, 0.2147



4.1186, 0.6081, 0.3125



4.0550, 0.3185, 0.3151



4.9603, 0.4281, 0.2132



23.4957, 0.4351, 0.2171

Previews

White Background



This preview shows how the Yxy color 13.8419, 0.2837, 0.5412 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 13.8419, 0.2837, 0.5412 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 13.8419, 0.2837, 0.5412

Background



This preview shows how black text looks on a background with the Yxy color 13.8419, 0.2837, 0.5412.



This preview shows how white text looks on a background with the Yxy color 13.8419, 0.2837, 0.5412.

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

13.8419, 0.2837, 0.5412

Protanopia

13.7472, 0.4165, 0.4586

Deuteranopia

13.7346, 0.4286, 0.4229



Tritanopia

13.8684, 0.2370, 0.3076

Trichromacy



Original Color

13.8419, 0.2837, 0.5412

Protanomaly

12.7542, 0.3446, 0.5014

Deuteranomaly

12.4620, 0.3502, 0.4772

Tritanomaly

13.5724, 0.2520, 0.3892

Monochromacy



Original Color

13.8419, 0.2837, 0.5412

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

8.6528, 0.2867, 0.4154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8419, 0.2837, 0.5412 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(0, 121, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 42)  
}
```

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(0, 121, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 42) }
```

Border

The CSS property to change the border of an element to Yxy 13.8419, 0.2837, 0.5412 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(0, 121, 42) }
```

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

```
.border{ border-color:rgb(0, 121, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 121, 42)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8419, 0.2837, 0.5412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 42) }
```

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

```
.background{ background-color: rgb(0, 121,  
42) }
```

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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