

Converting Colors

$Y_{xy}(13.4159, 0.2791, 0.5073)$

Have a look what the booklet for
Yxy(13.4159, 0.2791, 0.5073)
contains.

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Color

Yxy(13.3248, 0.2787, 0.5059)

Conversions

Conversions Part 1

Format	Color
Hex	0F7636
RGB	15, 118, 54
RGB Percent	6%, 46%, 21%
CMY	0.9413, 0.5372, 0.7883
CMYK	0.87, 0.00, 0.54, 0.54
HSL	143°, 77%, 26%
HSV	143°, 87%, 46%
XYZ	7.3406, 13.3248, 5.6734
YIQ	79.9070, -40.8440, -41.7400

Conversions

Conversions Part 2

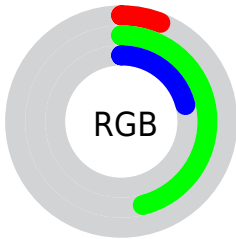
Format	Color
RYB	15, 90, 118
Decimal	1013302
CIELab	43.25, -42.45, 27.45
CIELCh	43, 50.556, 147.111
Yxy	13.3248, 0.2787, 0.5059
Android (android.graphics.Color)	4279203382 (0xFF0F7636)
YUV	79.9070, -12.7722, -56.9234
Hunter-Lab	36.5032, -27.9849, 16.3373

Details

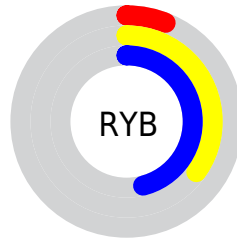
The Yxy color **13.3248, 0.2787, 0.5059** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.7568, 0.4182, 0.2198**, and the grayscale version is **8.0325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7906, 0.2908, 0.4561**, and **4.1518, 0.2939, 0.5780** is the 20% darker color. If you saturate the color by 10%, you get **13.1807, 0.2806, 0.5265**, and if you desaturate by 10%, it is **13.5281, 0.2780, 0.4837**.

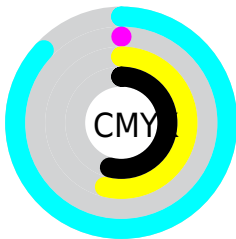
Distribution



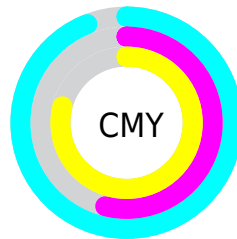
- Red (6%)
- Green (46%)
- Blue (21%)



- Red (6%)
- Yellow (35%)
- Blue (46%)



- Cyan (87%)
- Magenta (0%)
- Yellow (54%)
- Black (54%)




- Cyan (94%)
- Magenta (54%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3248, 0.2787, 0.5059 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 13.3248, 0.2787, 0.5059 by changing the saturation by 10% instead.


 13.3248, 0.2787,
0.5059


 13.3248, 0.2787,
0.5059


212.9889, 0.3036,
0.3921

 7.6526, 0.2668,
0.5482


 31.8861, 0.2910,
0.4558


 3.8735, 0.2455,
0.6145

 45.5439, 0.2944,
0.4399


 1.6030, 0.1824,
0.8176

 62.6325, 0.2970,
0.4275

 0.3596, 0.0000,
1.0000

 83.5360, 0.2990,
0.4176

 0.0000, 0.0000,
0.0000

 108.6391, 0.3005,
0.4095

 138.3260, 0.3017,

0.4027

172.9811, 0.3028,
0.3970

■ 13.3248, 0.2787,
0.5059

■ 13.3248, 0.2787,
0.5059

■ 13.1807, 0.2806,
0.5265

■ 13.5281, 0.2780,
0.4837

■ 13.1449, 0.2811,
0.5319

■ 13.8061, 0.2791,
0.4607

■ 14.1669, 0.2816,
0.4376

■ 14.6168, 0.2855,
0.4152

■ 15.1617, 0.2903,
0.3939

■ 15.8068, 0.2959,
0.3741

■ 16.5569, 0.3019,
0.3561

■ 17.4167, 0.3081,
0.3398

■ 18.3905, 0.3144,
0.3253

Harmonies

Analogous

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



13.3248, 0.3754, 0.5245



13.3248, 0.2787, 0.5059



13.3248, 0.1963, 0.4000

Triad

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



13.3248, 0.2787, 0.5059



13.3248, 0.1660, 0.1800



13.3248, 0.5067, 0.3276

Complementary

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



13.3248, 0.2787, 0.5059



4.7568, 0.4182, 0.2198

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.



13.3248, 0.4291, 0.2628



13.3248, 0.2787, 0.5059



13.3248, 0.2245, 0.1823

Square

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



13.3248, 0.2787, 0.5059



13.3248, 0.1418, 0.2099



13.3248, 0.3186, 0.2114



13.3248, 0.5147, 0.3987

Rectangle

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



13.3248, 0.2787, 0.5059



13.3248, 0.1612, 0.3181



13.3248, 0.3186, 0.2114



13.3248, 0.4877, 0.3051

Sweetspot

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



13.3253, 0.2787, 0.5059



27.8738, 0.2962, 0.3729



14.7075, 0.3615, 0.5374



6.3344, 0.2947, 0.3780



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.



13.3253, 0.2787, 0.5059



23.0874, 0.2823, 0.5363



14.0640, 0.2377, 0.3639



4.1190, 0.3070, 0.3425



14.2176, 0.2813, 0.5326



69.1288, 0.2839, 0.5422

Inverse Universe

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



4.7568, 0.4182, 0.2198



7.5996, 0.4432, 0.2215



4.2798, 0.5739, 0.3125



3.7355, 0.3189, 0.3159



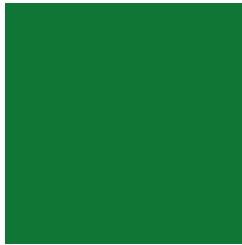
4.6893, 0.4401, 0.2198



22.6809, 0.4482, 0.2243

Previews

White Background



This preview shows how the Yxy color 13.3248, 0.2787, 0.5059 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 13.3248, 0.2787, 0.5059 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 13.3248, 0.2787, 0.5059

Background



This preview shows how black text looks on a background with the Yxy color 13.3248, 0.2787, 0.5059.



This preview shows how white text looks on a background with the Yxy color 13.3248, 0.2787, 0.5059.

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

13.3248, 0.2787, 0.5059

Protanopia

13.2352, 0.4015, 0.4386

Deuteranopia

13.1607, 0.4102, 0.4028



Tritanopia

13.3533, 0.2369, 0.3073

Trichromacy



Original Color

13.3248, 0.2787, 0.5059



Protanomaly

12.5419, 0.3386, 0.4708



Deuteranomaly

12.2935, 0.3427, 0.4447



Tritanomaly

13.2542, 0.2511, 0.3758

Monochromacy



Original Color

13.3248, 0.2787, 0.5059



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

9.3011, 0.2885, 0.3963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3248, 0.2787, 0.5059 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(15, 118, 54)` looks like.

```
.text, #text, p{  
  color:rgb(15, 118, 54)  
}
```

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(15, 118, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 118, 54) }
```

Border

The CSS property to change the border of an element to Yxy 13.3248, 0.2787, 0.5059 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(15, 118, 54) }
```

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

```
.border{ border-color:rgb(15, 118, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 118, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 118, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 118, 54);  
box-shadow:4px 4px 4px 4px rgb(15, 118,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3248, 0.2787, 0.5059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 118, 54) }
```

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

```
.background{ background-color: rgb(15, 118,  
54) }
```

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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