

Converting Colors

$Y_{xy}(17.5595, 0.2852, 0.5468)$

Have a look what the booklet for
Yxy(17.5595, 0.2852, 0.5468)
contains.

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Color

Yxy(17.5174, 0.2852, 0.5468)

Conversions

Conversions Part 1

Format	Color
Hex	00872D
RGB	0, 135, 45
RGB Percent	0%, 53%, 18%
CMY	1.0000, 0.4706, 0.8235
CMYK	1.00, 0.00, 0.67, 0.47
HSL	140°, 100%, 26%
HSV	140°, 100%, 53%
XYZ	9.1367, 17.5174, 5.3821
YIQ	84.3750, -51.5700, -56.6100

Conversions

Conversions Part 2

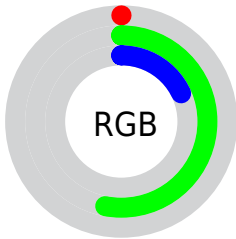
Format	Color
RYB	0, 101, 135
Decimal	34605
CIELab	48.91, -50.72, 38.51
CIElCh	49, 63.681, 142.794
Yxy	17.5174, 0.2852, 0.5468
Android (android.graphics.Color)	4278224685 (0xFF00872D)
YUV	84.3750, -19.4119, -73.9969
Hunter-Lab	41.8538, -34.2774, 21.6734

Details

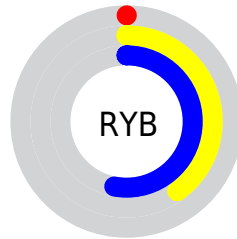
The Yxy color **17.5174, 0.2852, 0.5468** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.8895, 0.4241, 0.2110**, and the grayscale version is **8.9970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0153, 0.2973, 0.4885**, and **6.3406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.5187, 0.2852, 0.5468**, and if you desaturate by 10%, it is **17.6850, 0.2829, 0.5265**.

Distribution



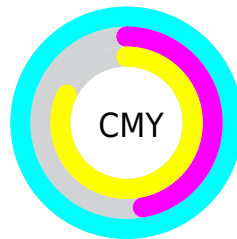
- Red (0%)
- Green (53%)
- Blue (18%)



- Red (0%)
- Yellow (40%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5174, 0.2852, 0.5468 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 17.5174, 0.2852, 0.5468 by changing the saturation by 10% instead.


 17.5174, 0.2852,
0.5468


 17.5174, 0.2852,
0.5468


238.1366, 0.3083,
0.4111


 10.6041, 0.2730,
0.5923


 39.2132, 0.2973,
0.4894


 5.8013, 0.2515,
0.6585

 54.7646, 0.3006,
0.4704


 2.7246, 0.2161,
0.7839

 73.9640, 0.3029,
0.4553

 0.9897, 0.0000,
1.0000

 97.1959, 0.3046,
0.4431

 0.0000, 0.0000,
0.0000

 124.8447, 0.3059,
0.4330

 157.2949, 0.3069,

0.4245

194.9307, 0.3077,
0.4173

■ 17.5174, 0.2852,
0.5468

■ 17.5174, 0.2852,
0.5468

■ 17.5187, 0.2852,
0.5468

■ 17.6850, 0.2829,
0.5265

■ 17.9212, 0.2815,
0.5038

■ 18.2584, 0.2818,
0.4795

■ 18.7077, 0.2836,
0.4545

■ 19.2786, 0.2867,
0.4298

■ 19.9796, 0.2909,
0.4061

■ 20.8184, 0.2958,
0.3840

■ 21.8021, 0.3013,
0.3637

■ 22.9372, 0.3070,
0.3454

Harmonies

Analogous

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



17.5174, 0.3921, 0.5442



17.5174, 0.2852, 0.5468



17.5174, 0.1907, 0.4324

Triad

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



17.5174, 0.2852, 0.5468



17.5174, 0.1442, 0.1655



17.5174, 0.5262, 0.3126

Complementary

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



17.5174, 0.2852, 0.5468



5.8895, 0.4241, 0.2110

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.



17.5174, 0.4281, 0.2445



17.5174, 0.2852, 0.5468



17.5174, 0.2013, 0.1644

Square

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



17.5174, 0.2852, 0.5468



17.5174, 0.1231, 0.2020



17.5174, 0.3007, 0.1919



17.5174, 0.5430, 0.3880

Rectangle

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



17.5174, 0.2852, 0.5468



17.5174, 0.1491, 0.3331



17.5174, 0.3007, 0.1919



17.5174, 0.5011, 0.2889

Sweetspot

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



17.5187, 0.2852, 0.5468



37.1701, 0.2955, 0.3854



19.6176, 0.3658, 0.5477



8.4751, 0.2936, 0.3934



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.5187, 0.2852, 0.5468



31.3432, 0.2863, 0.5507



18.4606, 0.2408, 0.3867



5.2285, 0.3075, 0.3438



16.1556, 0.2850, 0.5462



0.0572, 0.2622, 0.4641

Inverse Universe

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



5.8895, 0.4241, 0.2110



10.5157, 0.4269, 0.2125



5.2204, 0.6064, 0.3114



4.7371, 0.3184, 0.3146



5.4330, 0.4236, 0.2107



0.0202, 0.3683, 0.1803

Previews

White Background



This preview shows how the Yxy color 17.5174, 0.2852, 0.5468 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 17.5174, 0.2852, 0.5468 looks on a black 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

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

Yxy 17.5174, 0.2852, 0.5468

Background



This preview shows how black text looks on a background with the Yxy color 17.5174, 0.2852, 0.5468.



This preview shows how white text looks on a background with the Yxy color 17.5174, 0.2852, 0.5468.

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

17.5174, 0.2852, 0.5468

Protanopia

17.3111, 0.4180, 0.4614

Deuteranopia

17.2485, 0.4325, 0.4252



Tritanopia

17.5115, 0.2367, 0.3075

Trichromacy



Original Color

17.5174, 0.2852, 0.5468



Protanomaly

16.1269, 0.3450, 0.5066



Deuteranomaly

15.6481, 0.3527, 0.4805



Tritanomaly

17.0371, 0.2523, 0.3910

Monochromacy



Original Color

17.5174, 0.2852, 0.5468



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

10.8996, 0.2874, 0.4220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5174, 0.2852, 0.5468 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, 135, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 45)  
}
```

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, 135, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 45) }
```

Border

The CSS property to change the border of an element to Yxy 17.5174, 0.2852, 0.5468 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, 135, 45) }
```

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

```
.border{ border-color:rgb(0, 135, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 45)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.5174, 0.2852, 0.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 45) }
```

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

```
.background{ background-color: rgb(0, 135,  
45) }
```

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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