

Converting Colors

$Y_{xy}(17.7386, 0.3327, 0.5126)$

Have a look what the booklet for
Yxy(17.7386, 0.3327, 0.5126)
contains.

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Color

Yxy(17.7403, 0.3327, 0.5116)

Conversions

Conversions Part 1

Format	Color
Hex	4D822E
RGB	77, 130, 46
RGB Percent	30%, 51%, 18%
CMY	0.6980, 0.4902, 0.8197
CMYK	0.41, 0.00, 0.65, 0.49
HSL	98°, 48%, 35%
HSV	98°, 65%, 51%
XYZ	11.5367, 17.7403, 5.3991
YIQ	104.5770, -4.6240, -37.3600

Conversions

Conversions Part 2

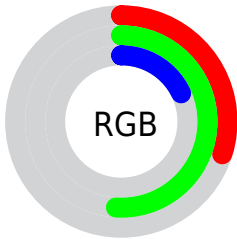
Format	Color
R_{YB}	46, 130, 99
Decimal	5079598
CIE _{Lab}	49.18, -33.38, 38.90
CIE _{LCh}	49, 51.263, 130.635
Yxy	17.7403, 0.3327, 0.5116
Android (android.graphics.Color)	4283269678 (0xFF4D822E)
YUV	104.5770, -28.8785, -24.1850
Hunter-Lab	42.1192, -24.8163, 21.8834

Details

The Yxy color **17.7403, 0.3327, 0.5116** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.2157, 0.2660, 0.1629**, and the grayscale version is **14.0872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4573, 0.3327, 0.4647**, and **5.9195, 0.3186, 0.5853** is the 20% darker color. If you saturate the color by 10%, you get **17.3337, 0.3317, 0.5375**, and if you desaturate by 10%, it is **18.2225, 0.3321, 0.4827**.

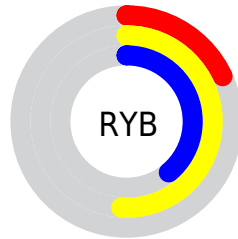
Distribution



Red (30%)

Green (51%)

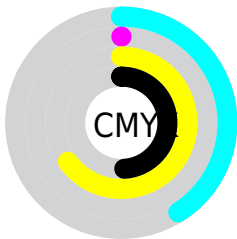
Blue (18%)



Red (18%)

Yellow (51%)

Blue (39%)

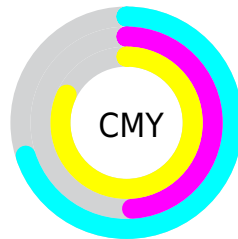


Cyan (41%)

Magenta (0%)

Yellow (65%)

Black (49%)



Cyan (70%)


Magenta (49%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7403, 0.3327, 0.5116 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 17.7403, 0.3327, 0.5116 by changing the saturation by 10% instead.


 17.7403, 0.3327,
0.5116


 17.7403, 0.3327,
0.5116


239.4031, 0.3267,
0.4008


 10.7637, 0.3302,
0.5468


 39.5943, 0.3326,
0.4659


 5.9082, 0.3227,
0.5968

 55.2405, 0.3318,
0.4504


 2.7893, 0.3107,
0.6893

 74.5453, 0.3309,
0.4380

 1.0228, 0.1286,
0.8714

 97.8932, 0.3300,
0.4278

 0.0000, 0.0000,
0.0000

 125.6686, 0.3291,
0.4194

 158.2557, 0.3283,

0.4122

196.0391, 0.3275,
0.4061

■ 17.7403, 0.3327,
0.5116

■ 17.7403, 0.3327,
0.5116

■ 17.3337, 0.3317,
0.5375

■ 18.2225, 0.3321,
0.4827

■ 16.9960, 0.3291,
0.5587

■ 18.7820, 0.3301,
0.4523

■ 16.7221, 0.3249,
0.5744

■ 19.4233, 0.3271,
0.4220

■ 16.5943, 0.3227,
0.5820

■ 20.1500, 0.3234,
0.3927

■ 20.9651, 0.3192,
0.3652

■ 21.8719, 0.3148,
0.3399

■ 22.8732, 0.3103,
0.3170

■ 23.9717, 0.3059,
0.2964

■ 25.1702, 0.3017,
0.2780

Harmonies

Analogous

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



17.7403, 0.4203, 0.4901



17.7403, 0.3327, 0.5116



17.7403, 0.2446, 0.4535

Triad

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



17.7403, 0.3327, 0.5116



17.7403, 0.1584, 0.2010



17.7403, 0.4592, 0.2945

Complementary

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



17.7403, 0.3327, 0.5116



6.2157, 0.2660, 0.1629

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.



17.7403, 0.3651, 0.2385



17.7403, 0.3327, 0.5116



17.7403, 0.1959, 0.1866

Square

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



17.7403, 0.3327, 0.5116



17.7403, 0.1526, 0.2510



17.7403, 0.2669, 0.2005



17.7403, 0.5044, 0.3596

Rectangle

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



17.7403, 0.3327, 0.5116



17.7403, 0.1979, 0.3810



17.7403, 0.2669, 0.2005



17.7403, 0.4313, 0.2744

Sweetspot

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



17.7411, 0.3327, 0.5116



36.2111, 0.3213, 0.3782



13.6401, 0.4368, 0.4241



8.1188, 0.3223, 0.3848



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



17.7411, 0.3327, 0.5116



30.2049, 0.3305, 0.5490



16.8296, 0.2967, 0.5086



4.8901, 0.3168, 0.3509



15.9146, 0.3228, 0.5819



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.2157, 0.2660, 0.1629



8.1434, 0.2514, 0.1323



8.0596, 0.3370, 0.1999



4.3355, 0.3083, 0.3074



3.2690, 0.2327, 0.1055



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.7403, 0.3327, 0.5116 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 17.7403, 0.3327, 0.5116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

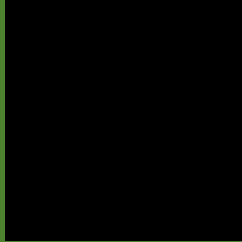
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7403, 0.3327, 0.5116

Background



This preview shows how black text looks on a background with the Yxy color 17.7403, 0.3327, 0.5116.



This preview shows how white text looks on a background with the Yxy color 17.7403, 0.3327, 0.5116.

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

17.7403, 0.3327, 0.5116

Protanopia

17.6356, 0.4166, 0.4596

Deuteranopia

17.5461, 0.4338, 0.4274



Tritanopia

17.7819, 0.2685, 0.3106

Trichromacy



Original Color

17.7403, 0.3327, 0.5116

Protanomaly

17.4730, 0.3838, 0.4807

Deuteranomaly

17.1802, 0.3943, 0.4577

Tritanomaly

17.5658, 0.2943, 0.3837

Monochromacy



Original Color

17.7403, 0.3327, 0.5116

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.1076, 0.3238, 0.3965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7403, 0.3327, 0.5116 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(77, 130, 46)` looks like.

```
.text, #text, p{  
    color:rgb(77, 130, 46)  
}
```

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(77, 130, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 130, 46) }
```

Border

The CSS property to change the border of an element to Yxy 17.7403, 0.3327, 0.5116 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(77, 130, 46) }
```

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

```
.border{ border-color:rgb(77, 130, 46) }
```

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

Here you see how a box with a 4 pixel rgb(77, 130, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 130, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 130, 46);  
box-shadow:4px 4px 4px 4px rgb(77, 130,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7403, 0.3327, 0.5116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 130, 46) }
```

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

```
.background{ background-color: rgb(77, 130,  
46) }
```

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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