

Converting Colors

$Y_{xy}(17.2074, 0.3129, 0.4351)$

Have a look what the booklet for
Yxy(17.2074, 0.3129, 0.4351)
contains.

Yxy(17.3108, 0.3131, 0.4370)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.3108, 0.3131, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	537E4E
RGB	83, 126, 78
RGB Percent	33%, 49%, 31%
CMY	0.6746, 0.5059, 0.6940
CMYK	0.34, 0.00, 0.38, 0.51
HSL	114°, 24%, 40%
HSV	114°, 38%, 49%
XYZ	12.4028, 17.3108, 9.8992
YIQ	107.6710, -10.2200, -24.0440

Conversions

Conversions Part 2

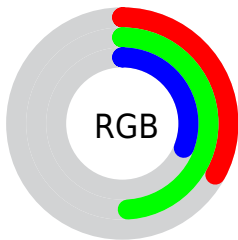
Format	Color
R_{YB}	78, 126, 121
Decimal	5471822
CIE _{Lab}	48.65, -25.05, 21.53
CIE _{LCh}	49, 33.035, 139.320
Yxy	17.3108, 0.3131, 0.4370
Android (android.graphics.Color)	4283661902 (0xFF537E4E)
YUV	107.6710, -14.6278, -21.6365
Hunter-Lab	41.6062, -19.6003, 15.0177

Details

The Yxy color **17.3108, 0.3131, 0.4370** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.0265, 0.3092, 0.2370**, and the grayscale version is **14.9430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8670, 0.3140, 0.4088**, and **5.7576, 0.3065, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **16.6751, 0.3124, 0.4704**, and if you desaturate by 10%, it is **18.0663, 0.3134, 0.4050**.

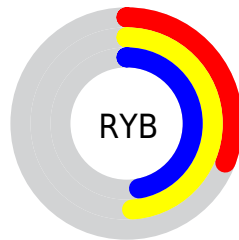
Distribution



Red (33%)

Green (49%)

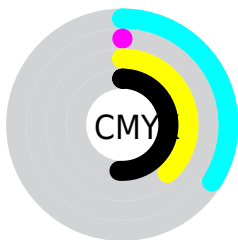
Blue (31%)



Red (31%)

Yellow (49%)

Blue (47%)

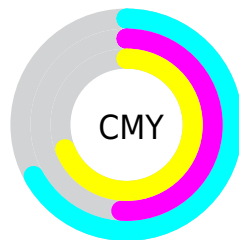


Cyan (34%)

Magenta (0%)

Yellow (38%)

Black (51%)



Cyan (67%)


Magenta (51%)


Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.3108, 0.3131, 0.4370 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 17.3108, 0.3131, 0.4370 by changing the saturation by 10% instead.


 17.3108, 0.3131,
0.4370


 17.3108, 0.3131,
0.4370


236.9571, 0.3146,
0.3713


 10.4563, 0.3114,
0.4591


 38.8594, 0.3144,
0.4094

 5.7026, 0.3078,
0.4920

 54.3223, 0.3146,
0.4003


 2.6651, 0.3000,
0.5475

 73.4234, 0.3147,
0.3930

 0.9595, 0.2373,
0.7627

 96.5473, 0.3147,
0.3871

 0.0000, 0.0000,
0.0000

 124.0782, 0.3147,
0.3821

156.4005, 0.3147,

0.3780

193.8987, 0.3147,
0.3744

■ 17.3108, 0.3131,
0.4370

■ 17.3108, 0.3131,
0.4370

■ 16.6751, 0.3124,
0.4704

■ 18.0663, 0.3134,
0.4050

■ 16.1511, 0.3114,
0.5035

■ 18.9451, 0.3133,
0.3753

■ 15.7328, 0.3098,
0.5345

■ 19.9531, 0.3131,
0.3485

■ 15.4131, 0.3078,
0.5610

■ 21.0953, 0.3126,
0.3246

■ 15.1837, 0.3056,
0.5810

■ 22.3764, 0.3121,
0.3037

■ 15.0314, 0.3037,
0.5948

■ 23.8008, 0.3115,
0.2853

■ 15.0087, 0.3035,
0.5972

■ 25.3727, 0.3108,
0.2694

■ 27.0964, 0.3102,
0.2555

■ 28.9756, 0.3096,
0.2435

Harmonies

Analogous

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



17.3108, 0.3747, 0.4445



17.3108, 0.3131, 0.4370



17.3108, 0.2546, 0.3884

Triad

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



17.3108, 0.3131, 0.4370



17.3108, 0.2100, 0.2362



17.3108, 0.4207, 0.3220

Complementary

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



17.3108, 0.3131, 0.4370



11.0265, 0.3092, 0.2370

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.



17.3108, 0.3673, 0.2777



17.3108, 0.3131, 0.4370



17.3108, 0.2453, 0.2300

Square

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



17.3108, 0.3131, 0.4370



17.3108, 0.1993, 0.2669



17.3108, 0.3016, 0.2451



17.3108, 0.4408, 0.3710

Rectangle

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



17.3108, 0.3131, 0.4370



17.3108, 0.2251, 0.3439



17.3108, 0.3016, 0.2451



17.3108, 0.4058, 0.3064

Sweetspot

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



17.3115, 0.3131, 0.4370



34.5301, 0.3132, 0.3567



18.5173, 0.3708, 0.4100



7.8104, 0.3132, 0.3596



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.3115, 0.3131, 0.4370



29.4530, 0.3125, 0.4670



17.3958, 0.2895, 0.3955



4.8384, 0.3131, 0.3511



15.3952, 0.3035, 0.5972



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.0265, 0.3092, 0.2370



16.6639, 0.3078, 0.2161



10.9624, 0.3466, 0.2711



4.3906, 0.3122, 0.3076



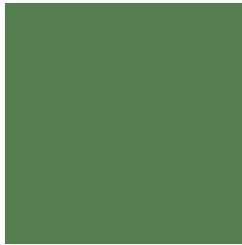
5.1441, 0.2958, 0.1403



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.3108, 0.3131, 0.4370 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 17.3108, 0.3131, 0.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

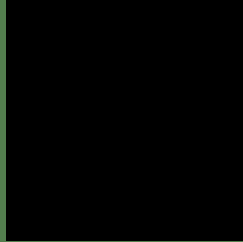
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3108, 0.3131, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 17.3108, 0.3131, 0.4370.



This preview shows how white text looks on a background with the Yxy color 17.3108, 0.3131, 0.4370.

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

17.3108, 0.3131, 0.4370

Protanopia

17.1159, 0.3778, 0.4086

Deuteranopia

17.0794, 0.3882, 0.3808



Tritanopia

17.2932, 0.2710, 0.3105

Trichromacy



Original Color

17.3108, 0.3131, 0.4370

Protanomaly

17.0166, 0.3530, 0.4201

Deuteranomaly

16.8668, 0.3572, 0.3999

Tritanomaly

17.1687, 0.2871, 0.3548

Monochromacy



Original Color

17.3108, 0.3131, 0.4370

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.7772, 0.3135, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3108, 0.3131, 0.4370 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(83, 126, 78)` looks like.

```
.text, #text, p{  
    color:rgb(83, 126, 78)  
}
```

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(83, 126, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 126, 78) }
```

Border

The CSS property to change the border of an element to Yxy 17.3108, 0.3131, 0.4370 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(83, 126, 78) }
```

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

```
.border{ border-color:rgb(83, 126, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 126, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 126, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 126, 78);  
box-shadow:4px 4px 4px 4px rgb(83, 126,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3108, 0.3131, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 126, 78) }
```

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

```
.background{ background-color: rgb(83, 126,  
78) }
```

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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