

Converting Colors

$Y_{xy}(17.2496, 0.3248, 0.4195)$

Have a look what the booklet for
Yxy(17.2496, 0.3248, 0.4195)
contains.

Yxy(17.2080, 0.3239, 0.4183)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2080, 0.3239, 0.4183)

Conversions

Conversions Part 1

Format	Color
Hex	5F7B52
RGB	95, 123, 82
RGB Percent	37%, 48%, 32%
CMY	0.6275, 0.5176, 0.6784
CMYK	0.23, 0.00, 0.33, 0.52
HSL	101°, 20%, 40%
HSV	101°, 33%, 48%
XYZ	13.3246, 17.2080, 10.6054
YIQ	109.9540, -3.5270, -18.6870

Conversions

Conversions Part 2

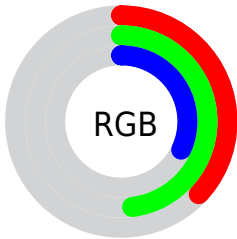
Format	Color
R_{YB}	82, 123, 110
Decimal	6257490
CIE _{Lab}	48.52, -18.37, 19.22
CIE _{LCh}	49, 26.586, 133.695
Yxy	17.2080, 0.3239, 0.4183
Android (android.graphics.Color)	4284447570 (0xFF5F7B52)
YUV	109.9540, -13.7813, -13.1147
Hunter-Lab	41.4825, -15.2585, 13.8798

Details

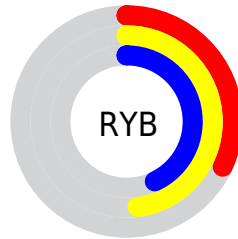
The Yxy color **17.2080, 0.3239, 0.4183** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.7852, 0.2965, 0.2454**, and the grayscale version is **15.6200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8276, 0.3218, 0.3961**, and **5.6355, 0.3236, 0.4612** is the 20% darker color. If you saturate the color by 10%, you get **16.6117, 0.3262, 0.4490**, and if you desaturate by 10%, it is **17.8880, 0.3209, 0.3890**.

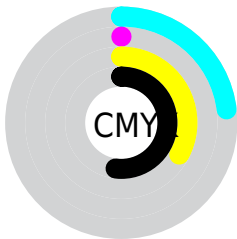
Distribution



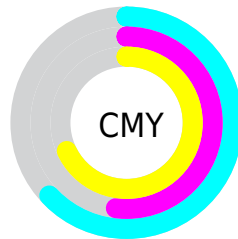
- Red (37%)
- Green (48%)
- Blue (32%)



- Red (32%)
- Yellow (48%)
- Blue (43%)



- Cyan (23%)
- Magenta (0%)
- Yellow (33%)
- Black (52%)





- Cyan (63%)
- Magenta (52%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2080, 0.3239, 0.4183 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 17.2080, 0.3239, 0.4183 by changing the saturation by 10% instead.


 17.2080, 0.3239,
0.4183


 17.2080, 0.3239,
0.4183


236.3682, 0.3185,
0.3645


 10.3829, 0.3248,
0.4362


 38.6831, 0.3222,
0.3959


 5.6536, 0.3252,
0.4627

 54.1018, 0.3214,
0.3884

 2.6356, 0.3238,
0.5057

 73.1539, 0.3208,
0.3824

 0.9446, 0.3218,
0.6782

 96.2237, 0.3202,
0.3775

 0.0000, 0.0000,
0.0000

 123.6956, 0.3197,
0.3734

155.9541, 0.3193,

0.3700

193.3835, 0.3189,
0.3670

■ 17.2080, 0.3239,
0.4183

■ 17.2080, 0.3239,
0.4183

■ 16.6117, 0.3262,
0.4490

■ 17.8880, 0.3209,
0.3890

■ 16.0935, 0.3277,
0.4799

■ 18.6526, 0.3175,
0.3617

■ 15.6506, 0.3279,
0.5097

■ 19.5055, 0.3139,
0.3367


■ 15.2791, 0.3268,
0.5368


■ 20.4495, 0.3103,
0.3142


■ 14.9748, 0.3242,
0.5593


■ 21.4872, 0.3067,
0.2941


 14.7324, 0.3203,
0.5761

 22.6213, 0.3032,
0.2763

 14.5968, 0.3178,
0.5859

 23.8542, 0.2999,
0.2605

 25.1883, 0.2967,
0.2465

 26.6259, 0.2938,
0.2342

Harmonies

Analogous

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



17.2080, 0.3728, 0.4201



17.2080, 0.3239, 0.4183



17.2080, 0.2743, 0.3852

Triad

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



17.2080, 0.3239, 0.4183



17.2080, 0.2247, 0.2565



17.2080, 0.3932, 0.3170

Complementary

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



17.2080, 0.3239, 0.4183



10.7852, 0.2965, 0.2454

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.



17.2080, 0.3474, 0.2809



17.2080, 0.3239, 0.4183



17.2080, 0.2508, 0.2467

Square

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



17.2080, 0.3239, 0.4183



17.2080, 0.2198, 0.2866



17.2080, 0.2947, 0.2559



17.2080, 0.4155, 0.3578

Rectangle

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



17.2080, 0.3239, 0.4183



17.2080, 0.2474, 0.3517



17.2080, 0.2947, 0.2559



17.2080, 0.3799, 0.3041

Sweetspot

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



17.2087, 0.3239, 0.4183



33.8516, 0.3164, 0.3538



15.9783, 0.3679, 0.3849



7.9319, 0.3168, 0.3567



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.



17.2087, 0.3239, 0.4183



29.9817, 0.3258, 0.4417



16.6921, 0.3006, 0.4049



4.5058, 0.3160, 0.3508



15.0963, 0.3177, 0.5860



71.6032, 0.3144, 0.5886

Inverse Universe

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



10.7852, 0.2965, 0.2454



16.6014, 0.2915, 0.2252



11.4979, 0.3279, 0.2635



4.0170, 0.3091, 0.3076



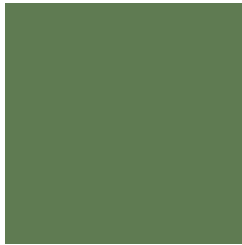
3.4305, 0.2448, 0.1122



15.8943, 0.2409, 0.1101

Previews

White Background



This preview shows how the Yxy color 17.2080, 0.3239, 0.4183 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 17.2080, 0.3239, 0.4183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

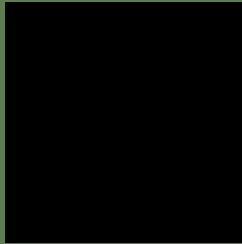
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2080, 0.3239, 0.4183

Background



This preview shows how black text looks on a background with the Yxy color 17.2080, 0.3239, 0.4183.



This preview shows how white text looks on a background with the Yxy color 17.2080, 0.3239, 0.4183.

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

17.2080, 0.3239, 0.4183

Protanopia

17.1111, 0.3702, 0.3995

Deuteranopia

17.0420, 0.3828, 0.3755



Tritanopia

17.0797, 0.2834, 0.3089

Trichromacy



Original Color

17.2080, 0.3239, 0.4183

Protanomaly

17.0468, 0.3518, 0.4070

Deuteranomaly

16.9665, 0.3596, 0.3907

Tritanomaly

16.9940, 0.2973, 0.3457

Monochromacy



Original Color

17.2080, 0.3239, 0.4183

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.1848, 0.3177, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2080, 0.3239, 0.4183 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(95, 123, 82)` looks like.

```
.text, #text, p{  
    color:rgb(95, 123, 82)  
}
```

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(95, 123, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 123, 82) }
```

Border

The CSS property to change the border of an element to Yxy 17.2080, 0.3239, 0.4183 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(95, 123, 82) }
```

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

```
.border{ border-color:rgb(95, 123, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 123, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 123, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 123, 82);  
box-shadow:4px 4px 4px 4px rgb(95, 123,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2080, 0.3239, 0.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 123, 82) }
```

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

```
.background{ background-color: rgb(95, 123,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor