

Converting Colors

$Y_{xy}(17.5941, 0.3162, 0.4237)$

Have a look what the booklet for
Yxy(17.5941, 0.3162, 0.4237)
contains.

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Color

Yxy(17.7199, 0.3162, 0.4233)

Conversions

Conversions Part 1

Format	Color
Hex	5A7E53
RGB	90, 126, 83
RGB Percent	35%, 49%, 33%
CMY	0.6472, 0.5058, 0.6745
CMYK	0.29, 0.00, 0.34, 0.51
HSL	110°, 21%, 41%
HSV	110°, 34%, 49%
XYZ	13.2366, 17.7199, 10.9049
YIQ	110.3340, -7.6530, -21.0050

Conversions

Conversions Part 2

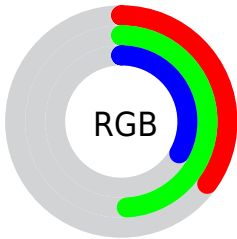
Format	Color
R_{YB}	83, 126, 119
Decimal	5930579
CIE _{Lab}	49.15, -21.67, 19.46
CIE _{LCh}	49, 29.123, 138.081
Yxy	17.7199, 0.3162, 0.4233
Android (android.graphics.Color)	4284120659 (0xFF5A7E53)
YUV	110.3340, -13.4757, -17.8329
Hunter-Lab	42.0950, -17.5379, 14.1072

Details

The Yxy color **17.7199, 0.3162, 0.4233** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.6162, 0.3059, 0.2455**, and the grayscale version is **15.7338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5964, 0.3162, 0.3995**, and **5.9336, 0.3138, 0.4723** is the 20% darker color. If you saturate the color by 10%, you get **17.0513, 0.3164, 0.4557**, and if you desaturate by 10%, it is **18.5006, 0.3155, 0.3926**.

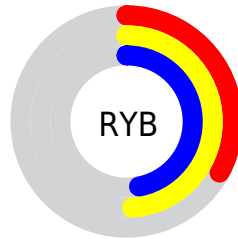
Distribution



Red (35%)

Green (49%)

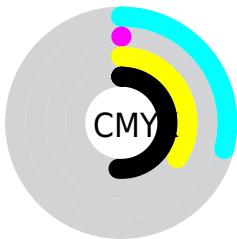
Blue (33%)



Red (33%)

Yellow (49%)

Blue (47%)

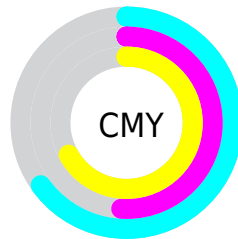


Cyan (29%)

Magenta (0%)

Yellow (34%)

Black (51%)



Cyan (65%)


Magenta (51%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7199, 0.3162, 0.4233 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 17.7199, 0.3162, 0.4233 by changing the saturation by 10% instead.


 17.7199, 0.3162,
0.4233


 17.7199, 0.3162,
0.4233


239.2875, 0.3155,
0.3664


 10.7491, 0.3155,
0.4422


 39.5595, 0.3164,
0.3996


 5.8984, 0.3137,
0.4702

 55.1970, 0.3163,
0.3917


 2.7834, 0.3085,
0.5157

 74.4922, 0.3162,
0.3853

 1.0197, 0.2987,
0.7013

 97.8295, 0.3160,
0.3802

 0.0000, 0.0000,
0.0000

 125.5933, 0.3159,
0.3759

158.1680, 0.3158,

0.3722

195.9379, 0.3156,
0.3691

■ 17.7199, 0.3162,
0.4233

■ 17.7199, 0.3162,
0.4233

■ 17.0513, 0.3164,
0.4557

■ 18.5006, 0.3155,
0.3926

■ 16.4874, 0.3160,
0.4885

■ 19.3958, 0.3145,
0.3643

■ 16.0235, 0.3149,
0.5201


■ 20.4109, 0.3133,
0.3387


■ 15.6537, 0.3131,
0.5483

■ 21.5499, 0.3119,
0.3160


■ 15.3712, 0.3105,
0.5711


■ 22.8169, 0.3105,
0.2960


 15.1681, 0.3075,
0.5871

 24.2157, 0.3091,
0.2784

 15.0773, 0.3062,
0.5950

 25.7501, 0.3077,
0.2631

 27.4235, 0.3063,
0.2497

 29.2393, 0.3050,
0.2380

Harmonies

Analogous

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



17.7199, 0.3702, 0.4296



17.7199, 0.3162, 0.4233



17.7199, 0.2639, 0.3828

Triad

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



17.7199, 0.3162, 0.4233



17.7199, 0.2207, 0.2478



17.7199, 0.4056, 0.3219

Complementary

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



17.7199, 0.3162, 0.4233



11.6162, 0.3059, 0.2455

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.



17.7199, 0.3585, 0.2822



17.7199, 0.3162, 0.4233



17.7199, 0.2516, 0.2407

Square

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



17.7199, 0.3162, 0.4233



17.7199, 0.2120, 0.2767



17.7199, 0.3010, 0.2534



17.7199, 0.4250, 0.3657

Rectangle

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



17.7199, 0.3162, 0.4233



17.7199, 0.2369, 0.3449



17.7199, 0.3010, 0.2534



17.7199, 0.3923, 0.3078

Sweetspot

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



17.7207, 0.3162, 0.4233



34.8077, 0.3140, 0.3540



18.2161, 0.3658, 0.3979



7.8718, 0.3142, 0.3570



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.



17.7207, 0.3162, 0.4233



30.2502, 0.3164, 0.4486



17.6319, 0.2938, 0.3924



4.8497, 0.3139, 0.3511



15.4643, 0.3062, 0.5951



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.6162, 0.3059, 0.2455



17.7784, 0.3036, 0.2263



11.7844, 0.3386, 0.2732



4.3782, 0.3113, 0.3076



4.6594, 0.2814, 0.1324



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.7199, 0.3162, 0.4233 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 17.7199, 0.3162, 0.4233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

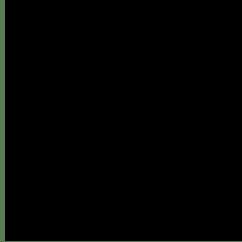
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7199, 0.3162, 0.4233

Background



This preview shows how black text looks on a background with the Yxy color 17.7199, 0.3162, 0.4233.



This preview shows how white text looks on a background with the Yxy color 17.7199, 0.3162, 0.4233.

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

17.7199, 0.3162, 0.4233

Protanopia

17.4909, 0.3724, 0.4005

Deuteranopia

17.6635, 0.3830, 0.3767



Tritanopia

17.6413, 0.2763, 0.3089

Trichromacy



Original Color

17.7199, 0.3162, 0.4233

Protanomaly

17.5228, 0.3509, 0.4106

Deuteranomaly

17.4434, 0.3574, 0.3924

Tritanomaly

17.5442, 0.2906, 0.3478

Monochromacy



Original Color

17.7199, 0.3162, 0.4233

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.2944, 0.3150, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7199, 0.3162, 0.4233 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(90, 126, 83)` looks like.

```
.text, #text, p{  
  color:rgb(90, 126, 83)  
}
```

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(90, 126, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 126, 83) }
```

Border

The CSS property to change the border of an element to Yxy 17.7199, 0.3162, 0.4233 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(90, 126, 83) }
```

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

```
.border{ border-color:rgb(90, 126, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 126, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 126, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 126, 83);  
box-shadow:4px 4px 4px 4px rgb(90, 126,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7199, 0.3162, 0.4233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 126, 83) }
```

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

```
.background{ background-color: rgb(90, 126,  
83) }
```

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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