

Converting Colors

$Y_{xy}(17.9335, 0.2871, 0.4086)$

Have a look what the booklet for
Yxy(17.9335, 0.2871, 0.4086)
contains.

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Color

Yxy(17.9251, 0.2872, 0.4081)

Conversions

Conversions Part 1

Format	Color
Hex	49815E
RGB	73, 129, 94
RGB Percent	29%, 51%, 37%
CMY	0.7140, 0.4941, 0.6314
CMYK	0.43, 0.00, 0.27, 0.49
HSL	143°, 28%, 40%
HSV	143°, 43%, 51%
XYZ	12.6148, 17.9251, 13.3834
YIQ	108.2660, -22.1410, -22.7570

Conversions

Conversions Part 2

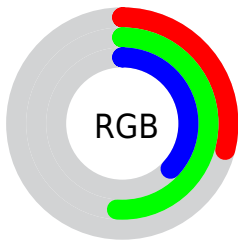
Format	Color
R_{YB}	73, 114, 129
Decimal	4817246
CIE _{Lab}	49.41, -26.87, 13.33
CIE _{LCh}	49, 29.996, 153.624
Y _{xy}	17.9251, 0.2872, 0.4081
Android (android.graphics.Color)	4283007326 (0xFF49815E)
YUV	108.2660, -7.0331, -30.9283
Hunter-Lab	42.3380, -20.9069, 10.8945

Details

The Yxy color **17.9251, 0.2872, 0.4081** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.5073, 0.3525, 0.2620**, and the grayscale version is **15.0962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7546, 0.2940, 0.3886**, and **5.9759, 0.2733, 0.4462** is the 20% darker color. If you saturate the color by 10%, you get **17.3364, 0.2830, 0.4305**, and if you desaturate by 10%, it is **18.6349, 0.2923, 0.3870**.

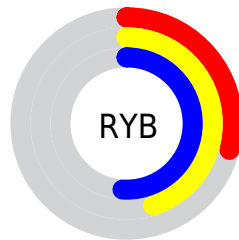
Distribution



Red (29%)

Green (51%)

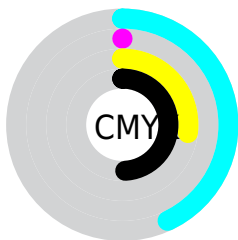
Blue (37%)



Red (29%)

Yellow (45%)

Blue (51%)

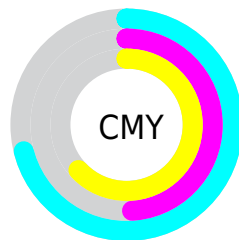


Cyan (43%)

Magenta (0%)

Yellow (27%)

Black (49%)



Cyan (71%)


Magenta (49%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9251, 0.2872, 0.4081 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 17.9251, 0.2872, 0.4081 by changing the saturation by 10% instead.


 17.9251, 0.2872,
0.4081


 17.9251, 0.2872,
0.4081


240.4485, 0.3029,
0.3604

 10.8962, 0.2817,
0.4241


 39.9097, 0.2939,
0.3882


 5.9971, 0.2734,
0.4480

 55.6341, 0.2961,
0.3815

 2.8433, 0.2591,
0.4874

 75.0259, 0.2978,
0.3762

 1.0505, 0.2103,
0.6623

 98.4694, 0.2992,
0.3719

 0.0000, 0.0000,
0.0000

 126.3491, 0.3004,
0.3683

159.0492, 0.3014,

0.3652

196.9542, 0.3022,
0.3626

■ 17.9251, 0.2872,
0.4081

■ 17.9251, 0.2872,
0.4081

■ 17.3364, 0.2830,
0.4305

■ 18.6349, 0.2923,
0.3870

■ 16.8596, 0.2800,
0.4538

■ 19.4700, 0.2981,
0.3676

■ 16.4877, 0.2784,
0.4772


■ 20.4371, 0.3042,
0.3499


■ 16.2120, 0.2786,
0.5000


■ 21.5416, 0.3105,
0.3341


■ 16.0216, 0.2804,
0.5213

■ 22.7889, 0.3168,
0.3200

 15.9206, 0.2818,
0.5344

 24.1839, 0.3230,
0.3075

 25.7313, 0.3290,
0.2966

 27.4355, 0.3347,
0.2870

 29.3009, 0.3402,
0.2786

Harmonies

Analogous

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



17.9251, 0.3435, 0.4337



17.9251, 0.2872, 0.4081



17.9251, 0.2404, 0.3542

Triad

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



17.9251, 0.2872, 0.4081



17.9251, 0.2322, 0.2394



17.9251, 0.4226, 0.3447

Complementary

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



17.9251, 0.2872, 0.4081



10.5073, 0.3525, 0.2620

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.



17.9251, 0.3874, 0.3011



17.9251, 0.2872, 0.4081



17.9251, 0.2744, 0.2431

Square

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



17.9251, 0.2872, 0.4081



17.9251, 0.2113, 0.2571



17.9251, 0.3312, 0.2652



17.9251, 0.4243, 0.3887

Rectangle

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



17.9251, 0.2872, 0.4081



17.9251, 0.2201, 0.3150



17.9251, 0.3312, 0.2652



17.9251, 0.4143, 0.3297

Sweetspot

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



17.9258, 0.2872, 0.4081



36.6202, 0.3043, 0.3497



19.4004, 0.3481, 0.4417



8.2099, 0.3031, 0.3529



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.



17.9258, 0.2872, 0.4081



31.0628, 0.2831, 0.4300



18.5114, 0.2623, 0.3448



4.8434, 0.3070, 0.3428



15.5206, 0.2817, 0.5342



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.5073, 0.3525, 0.2620



15.9722, 0.3653, 0.2479



10.0109, 0.4052, 0.3145



4.3859, 0.3189, 0.3156



5.1242, 0.4394, 0.2194



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.9251, 0.2872, 0.4081 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 17.9251, 0.2872, 0.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

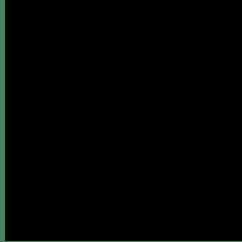
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9251, 0.2872, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 17.9251, 0.2872, 0.4081.



This preview shows how white text looks on a background with the Yxy color 17.9251, 0.2872, 0.4081.

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

17.9251, 0.2872, 0.4081

Protanopia

17.7871, 0.3592, 0.3853

Deuteranopia

17.6211, 0.3626, 0.3551



Tritanopia

17.9304, 0.2578, 0.3084

Trichromacy



Original Color

17.9251, 0.2872, 0.4081

Protanomaly

17.4771, 0.3296, 0.3938

Deuteranomaly

17.2647, 0.3300, 0.3719

Tritanomaly

17.9159, 0.2690, 0.3439

Monochromacy



Original Color

17.9251, 0.2872, 0.4081

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.9030, 0.3013, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9251, 0.2872, 0.4081 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(73, 129, 94)` looks like.

```
.text, #text, p{  
    color:rgb(73, 129, 94)  
}
```

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(73, 129, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 129, 94) }
```

Border

The CSS property to change the border of an element to Yxy 17.9251, 0.2872, 0.4081 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(73, 129, 94) }
```

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

```
.border{ border-color:rgb(73, 129, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 129, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 129, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 129, 94);  
box-shadow:4px 4px 4px 4px rgb(73, 129,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9251, 0.2872, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 129, 94) }
```

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

```
.background{ background-color: rgb(73, 129,  
94) }
```

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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