

Converting Colors

$Y_{xy}(17.9715, 0.2966, 0.3232)$

Have a look what the booklet for
Yxy(17.9715, 0.2966, 0.3232)
contains.

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Color

Yxy(17.8500, 0.2971, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	6D777A
RGB	109, 119, 122
RGB Percent	43%, 47%, 48%
CMY	0.5725, 0.5333, 0.5215
CMYK	0.11, 0.02, 0.00, 0.52
HSL	194°, 6%, 45%
HSV	194°, 11%, 48%
XYZ	16.4187, 17.8500, 20.9945
YIQ	116.3520, -6.9230, -1.1870

Conversions

Conversions Part 2

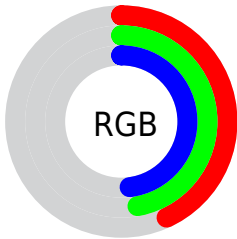
Format	Color
RYB	109, 115, 122
Decimal	7174010
CIELab	49.31, -3.06, -2.93
CIELCh	49, 4.239, 223.793
Yxy	17.8500, 0.2971, 0.3230
Android (android.graphics.Color)	4285364090 (0xFF6D777A)
YUV	116.3520, 2.7845, -6.4477
Hunter-Lab	42.2493, -4.5685, 0.1121

Details

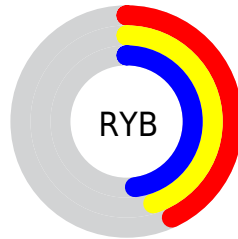
The Yxy color **17.8500, 0.2971, 0.3230** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.8386, 0.3299, 0.3349**, and the grayscale version is **17.5731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7589, 0.3014, 0.3247**, and **5.9796, 0.2903, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **16.4662, 0.2826, 0.3168**, and if you desaturate by 10%, it is **19.3627, 0.3118, 0.3287**.

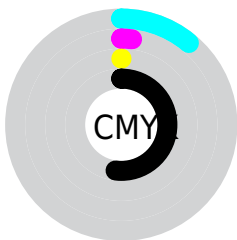
Distribution



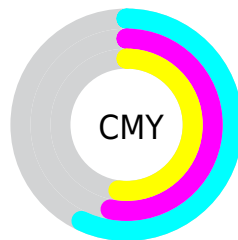
- Red (43%)
- Green (47%)
- Blue (48%)



- Red (43%)
- Yellow (45%)
- Blue (48%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (52%)



- Cyan (57%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.8500, 0.2971, 0.3230 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 17.8500, 0.2971, 0.3230 by changing the saturation by 10% instead.

■ 17.8500, 0.2971,
0.3230

■ 17.8500, 0.2971,
0.3230

240.0242, 0.3061,
0.3265

■ 10.8423, 0.2943,
0.3219

■ 39.7816, 0.3007,
0.3244

■ 5.9609, 0.2903,
0.3202

■ 55.4743, 0.3020,
0.3249

■ 2.8213, 0.2841,
0.3176

■ 74.8308, 0.3030,
0.3253

■ 1.0392, 0.2731,
0.3129

■ 98.2355, 0.3038,
0.3257

■ 0.0000, 0.0000,
0.0000

126.0728, 0.3045,
0.3259

158.7271, 0.3051,

0.3262

196.5828, 0.3057,
0.3264

■ 17.8500, 0.2971,
0.3230

■ 17.8500, 0.2971,
0.3230

■ 16.4662, 0.2826,
0.3168

■ 19.3627, 0.3118,
0.3287

■ 15.2046, 0.2686,
0.3101

■ 21.0065, 0.3264,
0.3338

■ 14.0611, 0.2553,
0.3030

■ 22.7862, 0.3408,
0.3384

■ 13.0303, 0.2430,
0.2954

■ 24.7057, 0.3549,
0.3425

■ 12.1066, 0.2320,
0.2875

■ 26.7686, 0.3685,
0.3461

■ 11.2838, 0.2225,
0.2794

■ 28.9787, 0.3815,
0.3492

■ 10.5547, 0.2148,
0.2711

■ 31.3393, 0.3940,
0.3520

■ 9.9111, 0.2088,
0.2629

■ 33.8538, 0.4058,
0.3544

■ 9.3598, 0.2042,
0.2552

■ 36.5254, 0.4169,
0.3565

Harmonies

Analogous

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



17.8500, 0.3003, 0.3303



17.8500, 0.2971, 0.3230



17.8500, 0.2980, 0.3175

Triad

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



17.8500, 0.2971, 0.3230



17.8500, 0.3185, 0.3209



17.8500, 0.3227, 0.3432

Complementary

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



17.8500, 0.2971, 0.3230



16.8386, 0.3299, 0.3349

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.



17.8500, 0.3277, 0.3404



17.8500, 0.2971, 0.3230



17.8500, 0.3252, 0.3276

Square

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



17.8500, 0.2971, 0.3230



17.8500, 0.3102, 0.3164



17.8500, 0.3286, 0.3347



17.8500, 0.3151, 0.3421

Rectangle

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



17.8500, 0.2971, 0.3230



17.8500, 0.3008, 0.3155



17.8500, 0.3286, 0.3347



17.8500, 0.3247, 0.3427

Sweetspot

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



17.8507, 0.2971, 0.3230



33.3931, 0.3082, 0.3273



18.3397, 0.3083, 0.3494



7.5911, 0.3072, 0.3269



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



17.8507, 0.2971, 0.3230



30.7286, 0.2932, 0.3214



16.4019, 0.2970, 0.3103



4.3624, 0.2994, 0.3239



9.8403, 0.2042, 0.2550



45.5986, 0.2030, 0.2508

Inverse Universe

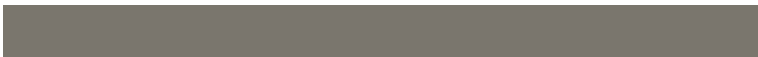
The Inverse Universe completely reimagines the original color for something new.



16.4121, 0.3177, 0.3098



27.6374, 0.3190, 0.3049



18.2771, 0.3286, 0.3470



4.0624, 0.3169, 0.3127



5.2003, 0.3873, 0.1907



24.6704, 0.3915, 0.1930

Previews

White Background



This preview shows how the Yxy color 17.8500, 0.2971, 0.3230 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 17.8500, 0.2971, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

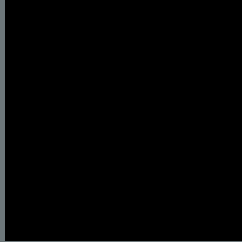
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

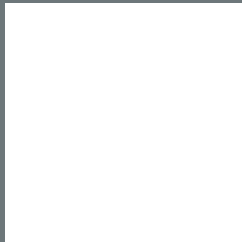
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.8500, 0.2971, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 17.8500, 0.2971, 0.3230.



This preview shows how white text looks on a background with the Yxy color 17.8500, 0.2971, 0.3230.

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

17.8500, 0.2971, 0.3230

Protanopia

17.6984, 0.3105, 0.3213

Deuteranopia

17.9003, 0.3174, 0.3122



Tritanopia

17.8304, 0.2917, 0.3095

Trichromacy



Original Color

17.8500, 0.2971, 0.3230

Protanomaly

17.7479, 0.3055, 0.3212

Deuteranomaly

17.9139, 0.3095, 0.3157

Tritanomaly

17.7782, 0.2939, 0.3133

Monochromacy



Original Color

17.8500, 0.2971, 0.3230

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.5413, 0.3065, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8500, 0.2971, 0.3230 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(109, 119, 122)` looks like.

```
.text, #text, p{  
    color:rgb(109, 119, 122)  
}
```

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(109, 119, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 119, 122) }
```

Border

The CSS property to change the border of an element to Yxy 17.8500, 0.2971, 0.3230 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(109, 119, 122) }
```

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

```
.border{ border-color:rgb(109, 119, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 119, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 119, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 119, 122);  
box-shadow:4px 4px 4px 4px rgb(109, 119,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8500, 0.2971, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 119, 122) }
```

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

```
.background{ background-color: rgb(109,  
119, 122) }
```

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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