

Converting Colors

$Y_{xy}(18.3226, 0.2886, 0.3247)$

Have a look what the booklet for
Yxy(18.3226, 0.2886, 0.3247)
contains.

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Color

Yxy(18.3174, 0.2893, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	687A7C
RGB	104, 122, 124
RGB Percent	41%, 48%, 49%
CMY	0.5922, 0.5215, 0.5138
CMYK	0.16, 0.02, 0.00, 0.51
HSL	186°, 9%, 45%
HSV	186°, 16%, 49%
XYZ	16.3053, 18.3174, 21.7385
YIQ	116.8460, -11.3700, -3.1940

Conversions

Conversions Part 2

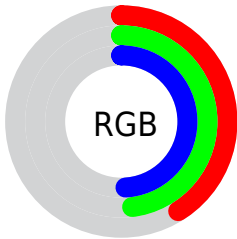
Format	Color
RYB	104, 113, 124
Decimal	6847100
CIELab	49.88, -6.14, -3.31
CIELCh	50, 6.973, 208.323
Yxy	18.3174, 0.2893, 0.3250
Android (android.graphics.Color)	4285037180 (0xFF687A7C)
YUV	116.8460, 3.5269, -11.2659
Hunter-Lab	42.7988, -6.8938, -0.1556

Details

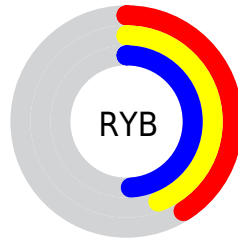
The Yxy color **18.3174, 0.2893, 0.3250** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.5858, 0.3410, 0.3330**, and the grayscale version is **17.7305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3753, 0.2947, 0.3261**, and **6.1429, 0.2804, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **17.3308, 0.2756, 0.3223**, and if you desaturate by 10%, it is **19.4184, 0.3037, 0.3275**.

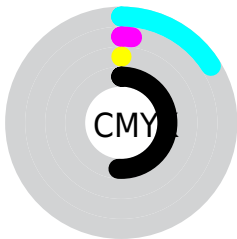
Distribution



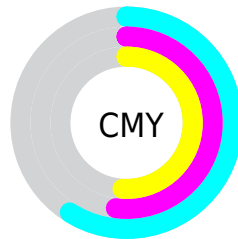
- Red (41%)
- Green (48%)
- Blue (49%)



- Red (41%)
- Yellow (44%)
- Blue (49%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (51%)



- Cyan (59%)
- Magenta (52%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3174, 0.2893, 0.3250 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 18.3174, 0.2893, 0.3250 by changing the saturation by 10% instead.

■ 18.3174, 0.2893,
0.3250

■ 18.3174, 0.2893,
0.3250

■ 242.6540, 0.3027,
0.3274

■ 11.1781, 0.2852,
0.3242

■ 40.5774, 0.2947,
0.3260

■ 6.1868, 0.2793,
0.3230

■ 56.4669, 0.2966,
0.3263

■ 2.9590, 0.2702,
0.3211

■ 76.0420, 0.2981,
0.3266

■ 1.1104, 0.2545,
0.3173

■ 99.6870, 0.2993,
0.3268

■ 0.0000, 0.0000,
0.0000

■ 127.7863, 0.3004,
0.3270

■ 160.7243, 0.3013,

0.3272

198.8854, 0.3021,
0.3273

■ 18.3174, 0.2893,
0.3250

■ 18.3174, 0.2893,
0.3250

■ 17.3308, 0.2756,
0.3223

■ 19.4184, 0.3037,
0.3275

■ 16.4516, 0.2628,
0.3193

■ 20.6360, 0.3185,
0.3299

■ 15.6755, 0.2513,
0.3163

■ 21.9751, 0.3335,
0.3320

■ 14.9968, 0.2412,
0.3131

■ 23.4399, 0.3485,
0.3339

■ 14.4096, 0.2327,
0.3098

■ 25.0340, 0.3632,
0.3356

■ 13.9070, 0.2260,
0.3066

■ 26.7612, 0.3777,
0.3371

■ 13.4813, 0.2210,
0.3033

■ 28.6249, 0.3916,
0.3384

■ 13.1182, 0.2176,
0.3000

■ 30.6285, 0.4050,
0.3395

■ 12.9822, 0.2163,
0.2987

■ 32.7753, 0.4178,
0.3405

Harmonies

Analogous

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



18.3174, 0.2975, 0.3373



18.3174, 0.2893, 0.3250



18.3174, 0.2872, 0.3142

Triad

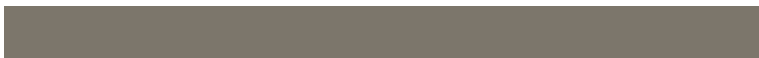
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.3174, 0.2893, 0.3250



18.3174, 0.3152, 0.3116



18.3174, 0.3339, 0.3505

Complementary

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



18.3174, 0.2893, 0.3250



15.5858, 0.3410, 0.3330

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.



18.3174, 0.3389, 0.3431



18.3174, 0.2893, 0.3250



18.3174, 0.3280, 0.3208

Square

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



18.3174, 0.2893, 0.3250



18.3174, 0.3019, 0.3068



18.3174, 0.3367, 0.3322



18.3174, 0.3232, 0.3522

Rectangle

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



18.3174, 0.2893, 0.3250



18.3174, 0.2896, 0.3093



18.3174, 0.3367, 0.3322



18.3174, 0.3363, 0.3486

Sweetspot

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



18.3182, 0.2893, 0.3250



34.3877, 0.3052, 0.3278



18.3872, 0.3090, 0.3666



8.0707, 0.3043, 0.3277



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.



18.3182, 0.2893, 0.3250



31.6452, 0.2846, 0.3241



16.0578, 0.2885, 0.3053



4.4480, 0.2994, 0.3268



13.1998, 0.2163, 0.2987



62.2640, 0.2159, 0.2970

Inverse Universe

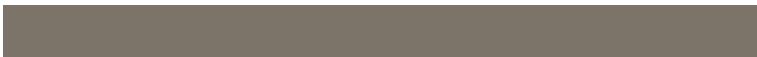
The Inverse Universe completely reimagines the original color for something new.



15.5892, 0.3171, 0.2947



25.9957, 0.3181, 0.2874



17.6945, 0.3381, 0.3516



4.0710, 0.3151, 0.3099



5.5394, 0.3465, 0.1683



26.3528, 0.3480, 0.1691

Previews

White Background



This preview shows how the Yxy color 18.3174, 0.2893, 0.3250 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 18.3174, 0.2893, 0.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

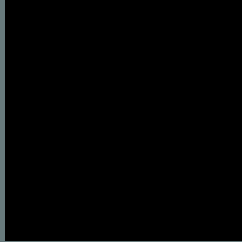
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

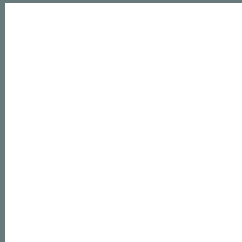
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.3174, 0.2893, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 18.3174, 0.2893, 0.3250.



This preview shows how white text looks on a background with the Yxy color 18.3174, 0.2893, 0.3250.

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

18.3174, 0.2893, 0.3250

Protanopia

18.3304, 0.3117, 0.3233

Deuteranopia

18.2542, 0.3161, 0.3105



Tritanopia

18.3167, 0.2831, 0.3094

Trichromacy



Original Color

18.3174, 0.2893, 0.3250

Protanomaly

18.1762, 0.3031, 0.3231

Deuteranomaly

18.3595, 0.3059, 0.3157

Tritanomaly

18.2365, 0.2862, 0.3152

Monochromacy



Original Color

18.3174, 0.2893, 0.3250

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.9945, 0.3029, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3174, 0.2893, 0.3250 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(104, 122, 124)` looks like.

```
.text, #text, p{  
    color:rgb(104, 122, 124)  
}
```

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(104, 122, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 122, 124) }
```

Border

The CSS property to change the border of an element to Yxy 18.3174, 0.2893, 0.3250 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(104, 122, 124) }
```

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

```
.border{ border-color:rgb(104, 122, 124) }
```

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

Here you see how a box with a 4 pixel rgb(104, 122, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 122, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 122, 124);  
box-shadow:4px 4px 4px 4px rgb(104, 122,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3174, 0.2893, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 122, 124) }
```

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

```
.background{ background-color: rgb(104,  
122, 124) }
```

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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