

Converting Colors

$Y_{xy}(18.8601, 0.3197, 0.3176)$

Have a look what the booklet for
Yxy(18.8601, 0.3197, 0.3176)
contains.

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Color

Yxy(18.8198, 0.3209, 0.3180)

Conversions

Conversions Part 1

Format	Color
Hex	81757B
RGB	129, 117, 123
RGB Percent	51%, 46%, 48%
CMY	0.4941, 0.5412, 0.5176
CMYK	0.00, 0.09, 0.05, 0.49
HSL	330°, 5%, 48%
HSV	330°, 9%, 51%
XYZ	18.9914, 18.8198, 21.3705
YIQ	121.2720, 5.2260, 4.4100

Conversions

Conversions Part 2

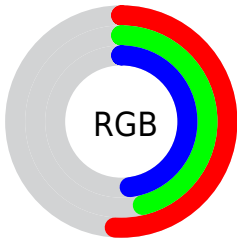
Format	Color
R_{YB}	129, 117, 123
Decimal	8484219
CIE Lab	50.48, 5.78, -1.62
CIE LCh	50, 5.998, 344.372
Yxy	18.8198, 0.3209, 0.3180
Android (android.graphics.Color)	4286674299 (0xFF81757B)
YUV	121.2720, 0.8519, 6.7775
Hunter-Lab	43.3818, 2.2245, 1.1601

Details

The Yxy color **18.8198, 0.3209, 0.3180** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.9169, 0.3052, 0.3403**, and the grayscale version is **19.2099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4162, 0.3195, 0.3210**, and **6.4561, 0.3255, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **15.8621, 0.3314, 0.3056**, and if you desaturate by 10%, it is **22.2042, 0.3122, 0.3298**.

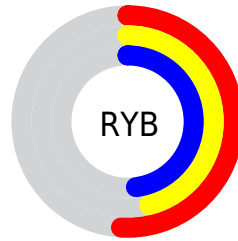
Distribution



Red (51%)

Green (46%)

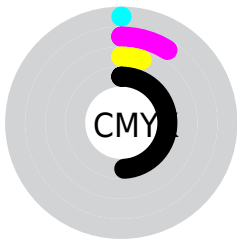
Blue (48%)



Red (51%)

Yellow (46%)

Blue (48%)

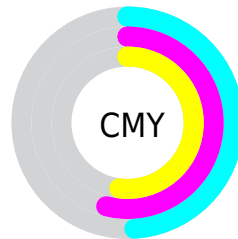


Cyan (0%)

Magenta (9%)

Yellow (5%)

Black (49%)



Cyan (49%)

Magenta (54%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.8198, 0.3209, 0.3180 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 18.8198, 0.3209, 0.3180 by changing the saturation by 10% instead.

■ 18.8198, 0.3209,
0.3180

■ 18.8198, 0.3209,
0.3180

245.4521, 0.3162,
0.3243

■ 11.5401, 0.3223,
0.3161

■ 41.4294, 0.3190,
0.3205

■ 6.4314, 0.3244,
0.3134

■ 57.5281, 0.3184,
0.3214

■ 3.1091, 0.3275,
0.3092

■ 77.3353, 0.3178,
0.3221

■ 1.1890, 0.3329,
0.3020

101.2353, 0.3174,
0.3227

■ 0.0527, 0.4615,
0.1272

129.6127, 0.3170,
0.3232

■ 0.0000, 0.0000,
0.0000

162.8516, 0.3167,

0.3236

201.3367, 0.3165,
0.3240

■ 18.8198, 0.3209,
0.3180

■ 18.8198, 0.3209,
0.3180

■ 15.8621, 0.3314,
0.3056

■ 22.2042, 0.3122,
0.3298

■ 13.3116, 0.3438,
0.2928

■ 26.0289, 0.3049,
0.3408

■ 11.1509, 0.3585,
0.2800

■ 30.3100, 0.2989,
0.3510

■ 9.3604, 0.3757,
0.2677

■ 35.0619, 0.2938,
0.3605

■ 7.9188, 0.3953,
0.2569

■ 40.2986, 0.2897,
0.3691

■ 6.8025, 0.4170,
0.2486

■ 46.0333, 0.2862,
0.3771

■ 5.9851, 0.4403,
0.2438

■ 52.2788, 0.2833,
0.3844

■ 5.4360, 0.4642,
0.2436

■ 59.0474, 0.2809,
0.3910

■ 5.0679, 0.4882,
0.2470

■ 66.3510, 0.2788,
0.3972

Harmonies

Analogous

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



18.8198, 0.3094, 0.3117



18.8198, 0.3209, 0.3180



18.8198, 0.3303, 0.3272

Triad

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



18.8198, 0.3209, 0.3180



18.8198, 0.3264, 0.3488



18.8198, 0.2911, 0.3204

Complementary

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



18.8198, 0.3209, 0.3180



20.9169, 0.3052, 0.3403

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.



18.8198, 0.2954, 0.3305



18.8198, 0.3209, 0.3180



18.8198, 0.3157, 0.3472

Square

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



18.8198, 0.3209, 0.3180



18.8198, 0.3334, 0.3449



18.8198, 0.3044, 0.3404



18.8198, 0.2924, 0.3129

Rectangle

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



18.8198, 0.3209, 0.3180



18.8198, 0.3340, 0.3338



18.8198, 0.3044, 0.3404



18.8198, 0.2919, 0.3236

Sweetspot

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



18.8206, 0.3209, 0.3180



37.3863, 0.3153, 0.3254



18.5190, 0.3063, 0.3067



8.3609, 0.3159, 0.3246



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.



18.8206, 0.3209, 0.3180



32.6070, 0.3228, 0.3156



18.6749, 0.3282, 0.3290



4.3773, 0.3207, 0.3183



4.9171, 0.4896, 0.2471



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.8206, 0.3209, 0.3180



32.6070, 0.3228, 0.3156



21.0719, 0.2990, 0.3290



4.3773, 0.3207, 0.3183



4.9171, 0.4896, 0.2471



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.8198, 0.3209, 0.3180 looks on a white 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

Black Background



This preview shows how the Yxy color 18.8198, 0.3209, 0.3180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

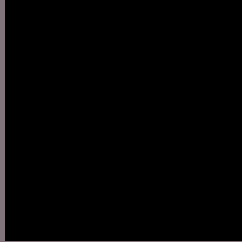
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8198, 0.3209, 0.3180

Background



This preview shows how black text looks on a background with the Yxy color 18.8198, 0.3209, 0.3180.



This preview shows how white text looks on a background with the Yxy color 18.8198, 0.3209, 0.3180.

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

18.8198, 0.3209, 0.3180

Protanopia

18.9531, 0.3094, 0.3215

Deuteranopia

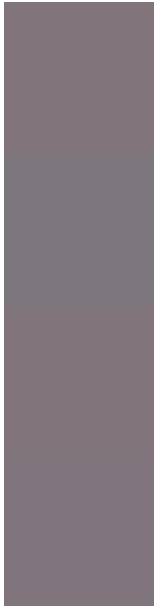
18.6667, 0.3223, 0.3162



Tritanopia

18.8961, 0.3173, 0.3126

Trichromacy



Original Color

18.8198, 0.3209, 0.3180

Protanomaly

18.9340, 0.3132, 0.3197

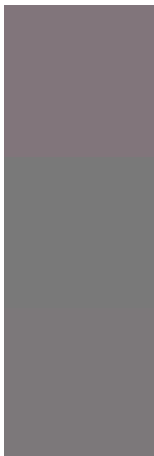
Deuteranomaly

18.6667, 0.3223, 0.3162

Tritanomaly

18.8704, 0.3185, 0.3144

Monochromacy



Original Color

18.8198, 0.3209, 0.3180

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.1232, 0.3154, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8198, 0.3209, 0.3180 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(129, 117, 123)` looks like.

```
.text, #text, p{  
    color:rgb(129, 117, 123)  
}
```

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(129, 117, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 117, 123) }
```

Border

The CSS property to change the border of an element to Yxy 18.8198, 0.3209, 0.3180 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(129, 117, 123) }
```

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

```
.border{ border-color:rgb(129, 117, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 117, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 117, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 117, 123);  
box-shadow:4px 4px 4px 4px rgb(129, 117,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8198, 0.3209, 0.3180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 117, 123) }
```

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

```
.background{ background-color: rgb(129,  
117, 123) }
```

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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