

Converting Colors

$Y_{xy}(18.5142, 0.2849, 0.3193)$

Have a look what the booklet for
Yxy(18.5142, 0.2849, 0.3193)
contains.

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Color

Yxy(18.5818, 0.2852, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	677B7F
RGB	103, 123, 127
RGB Percent	40%, 48%, 50%
CMY	0.5960, 0.5177, 0.5019
CMYK	0.19, 0.03, 0.00, 0.50
HSL	190°, 10%, 45%
HSV	190°, 19%, 50%
XYZ	16.5094, 18.5818, 22.7960
YIQ	117.4760, -13.2040, -2.9960

Conversions

Conversions Part 2

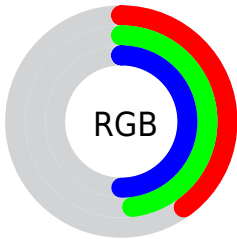
Format	Color
R_{YB}	103, 114, 127
Decimal	6781823
CIE _{Lab}	50.19, -6.34, -4.63
CIE _{LCh}	50, 7.853, 216.124
Yxy	18.5818, 0.2852, 0.3210
Android (android.graphics.Color)	4284971903 (0xFF677B7F)
YUV	117.4760, 4.6953, -12.6955
Hunter-Lab	43.1066, -7.0727, -1.1796

Details

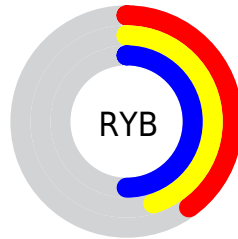
The Yxy color **18.5818, 0.2852, 0.3210** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.0142, 0.3463, 0.3369**, and the grayscale version is **17.9345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8253, 0.2909, 0.3219**, and **6.2598, 0.2728, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **17.3667, 0.2714, 0.3162**, and if you desaturate by 10%, it is **19.9240, 0.2996, 0.3254**.

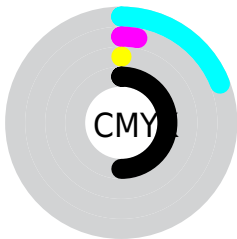
Distribution



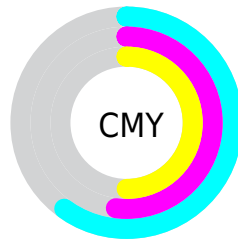
- Red (40%)
- Green (48%)
- Blue (50%)



- Red (40%)
- Yellow (45%)
- Blue (50%)



- Cyan (19%)
- Magenta (3%)
- Yellow (0%)
- Black (50%)



- Cyan (60%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5818, 0.2852, 0.3210 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 18.5818, 0.2852, 0.3210 by changing the saturation by 10% instead.

■ 18.5818, 0.2852,
0.3210

■ 18.5818, 0.2852,
0.3210

■ 244.1302, 0.3009,
0.3258

■ 11.3685, 0.2804,
0.3195

■ 41.0262, 0.2915,
0.3230

■ 6.3153, 0.2736,
0.3172

■ 57.0261, 0.2937,
0.3236

■ 3.0377, 0.2632,
0.3136

■ 76.7237, 0.2955,
0.3241

■ 1.1515, 0.2453,
0.3069

■ 100.5033, 0.2969,
0.3246

■ 0.0215, 0.0000,
0.0584

■ 128.7494, 0.2982,
0.3249

■ 0.0000, 0.0000,
0.0000

161.8463, 0.2992,

0.3253

200.1785, 0.3001,
0.3255

■ 18.5818, 0.2852,
0.3210

■ 18.5818, 0.2852,
0.3210

■ 17.3667, 0.2714,
0.3162

■ 19.9240, 0.2996,
0.3254

■ 16.2711, 0.2584,
0.3112

■ 21.3958, 0.3144,
0.3294

■ 15.2902, 0.2465,
0.3058

■ 23.0026, 0.3292,
0.3331

■ 14.4180, 0.2360,
0.3003

■ 24.7487, 0.3439,
0.3364

■ 13.6477, 0.2272,
0.2946

■ 26.6384, 0.3584,
0.3393

■ 12.9718, 0.2200,
0.2888

■ 28.6755, 0.3724,
0.3418

■ 12.3817, 0.2147,
0.2830

■ 30.8639, 0.3860,
0.3441

■ 11.8536, 0.2106,
0.2773

■ 33.2073, 0.3989,
0.3461

■ 11.7955, 0.2102,
0.2766

■ 35.7092, 0.4113,
0.3477

Harmonies

Analogous

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



18.5818, 0.2927, 0.3347



18.5818, 0.2852, 0.3210



18.5818, 0.2848, 0.3099

Triad

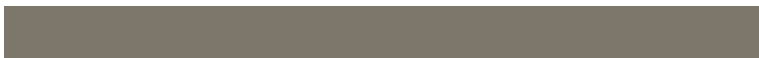
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.5818, 0.2852, 0.3210



18.5818, 0.3194, 0.3119



18.5818, 0.3338, 0.3543

Complementary

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



18.5818, 0.2852, 0.3210



16.0142, 0.3463, 0.3369

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.



18.5818, 0.3414, 0.3474



18.5818, 0.2852, 0.3210



18.5818, 0.3329, 0.3230

Square

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



18.5818, 0.2852, 0.3210



18.5818, 0.3043, 0.3050



18.5818, 0.3411, 0.3359



18.5818, 0.3207, 0.3543

Rectangle

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



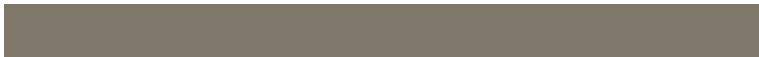
18.5818, 0.2852, 0.3210



18.5818, 0.2887, 0.3054



18.5818, 0.3411, 0.3359



18.5818, 0.3371, 0.3527

Sweetspot

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



18.5826, 0.2852, 0.3210



36.3750, 0.3036, 0.3265



19.1267, 0.3062, 0.3697



8.4850, 0.3029, 0.3263



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.



18.5826, 0.2852, 0.3210



32.2315, 0.2786, 0.3188



15.7903, 0.2839, 0.2966



4.7684, 0.2993, 0.3253



11.8937, 0.2102, 0.2766



0.0000, 0.0000, 0.0000

Inverse Universe

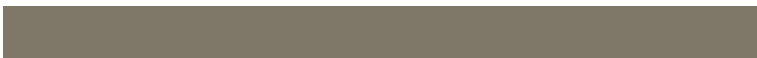
The Inverse Universe completely reimagines the original color for something new.



15.6478, 0.3200, 0.2915



25.9378, 0.3222, 0.2820



18.6883, 0.3423, 0.3594



4.4005, 0.3160, 0.3112



5.5952, 0.3666, 0.1793



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.5818, 0.2852, 0.3210 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 18.5818, 0.2852, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

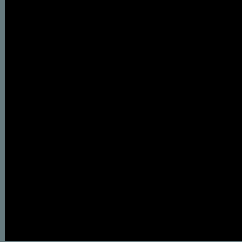
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

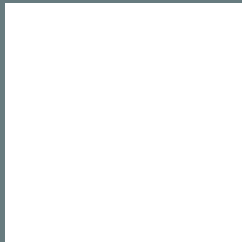
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.5818, 0.2852, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 18.5818, 0.2852, 0.3210.



This preview shows how white text looks on a background with the Yxy color 18.5818, 0.2852, 0.3210.

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

18.5818, 0.2852, 0.3210

Protanopia

18.4052, 0.3082, 0.3176

Deuteranopia

18.5613, 0.3125, 0.3070



Tritanopia

18.5281, 0.2811, 0.3094

Trichromacy



Original Color

18.5818, 0.2852, 0.3210

Protanomaly

18.4910, 0.2998, 0.3193

Deuteranomaly

18.6037, 0.3012, 0.3120

Tritanomaly

18.4738, 0.2831, 0.3132

Monochromacy



Original Color

18.5818, 0.2852, 0.3210

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.0189, 0.3018, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5818, 0.2852, 0.3210 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(103, 123, 127)` looks like.

```
.text, #text, p{  
    color:rgb(103, 123, 127)  
}
```

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(103, 123, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 123, 127) }
```

Border

The CSS property to change the border of an element to Yxy 18.5818, 0.2852, 0.3210 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(103, 123, 127) }
```

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

```
.border{ border-color:rgb(103, 123, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 123, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 123, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 123, 127);  
box-shadow:4px 4px 4px 4px rgb(103, 123,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5818, 0.2852, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 123, 127) }
```

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

```
.background{ background-color: rgb(103,  
123, 127) }
```

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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