

Converting Colors

$Y_{xy}(18.3536, 0.2887, 0.3282)$

Have a look what the booklet for
Yxy(18.3536, 0.2887, 0.3282)
contains.

Yxy(18.4208, 0.2882, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.4208, 0.2882, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	667B7B
RGB	102, 123, 123
RGB Percent	40%, 48%, 48%
CMY	0.5998, 0.5177, 0.5176
CMYK	0.17, 0.00, 0.00, 0.52
HSL	180°, 9%, 44%
HSV	180°, 17%, 48%
XYZ	16.1413, 18.4208, 21.4452
YIQ	116.7210, -12.5160, -4.4520

Conversions

Conversions Part 2

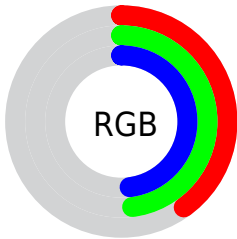
Format	Color
R_{YB}	102, 113, 123
Decimal	6716283
CIE _{Lab}	50.00, -7.61, -2.57
CIE _{LCh}	50, 8.028, 198.648
Yxy	18.4208, 0.2882, 0.3289
Android (android.graphics.Color)	4284906363 (0xFF667B7B)
YUV	116.7210, 3.0955, -12.9103
Hunter-Lab	42.9195, -7.9781, 0.4187

Details

The Yxy color **18.4208, 0.2882, 0.3289** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6851, 0.3435, 0.3291**, and the grayscale version is **17.6942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5274, 0.2939, 0.3289**, and **6.2042, 0.2789, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **17.7532, 0.2750, 0.3288**, and if you desaturate by 10%, it is **19.1966, 0.3023, 0.3290**.

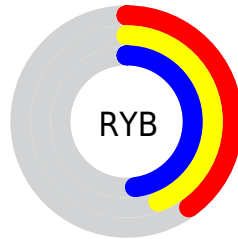
Distribution



Red (40%)

Green (48%)

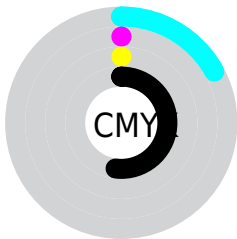
Blue (48%)



Red (40%)

Yellow (44%)

Blue (48%)

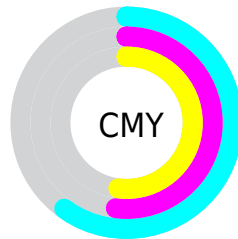


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (52%)



Cyan (60%)


Magenta (52%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4208, 0.2882, 0.3289 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 18.4208, 0.2882, 0.3289 by changing the saturation by 10% instead.


 18.4208, 0.2882,
0.3289


 18.4208, 0.2882,
0.3289


243.2323, 0.3023,
0.3291


 11.2525, 0.2839,
0.3288


 40.7531, 0.2938,
0.3290


 6.2369, 0.2777,
0.3286


 56.6858, 0.2958,
0.3290

 2.9897, 0.2683,
0.3282

 76.3089, 0.2974,
0.3290

 1.1264, 0.2519,
0.3272

 100.0066, 0.2987,
0.3291

 0.0003, 0.0000,
0.0016

128.1635, 0.2998,
0.3291

 0.0000, 0.0000,
0.0000

161.1637, 0.3007,

0.3291

199.3919, 0.3016,
0.3291

■ 18.4208, 0.2882,
0.3289

■ 18.4208, 0.2882,
0.3289

■ 17.7532, 0.2750,
0.3288

■ 19.1966, 0.3023,
0.3290

■ 17.1868, 0.2631,
0.3288

■ 20.0827, 0.3172,
0.3290

■ 16.7174, 0.2526,
0.3287

■ 21.0840, 0.3324,
0.3291

■ 16.3395, 0.2437,
0.3287

■ 22.2044, 0.3479,
0.3291

■ 16.0471, 0.2365,
0.3287

■ 23.4477, 0.3633,
0.3292

■ 15.8335, 0.2312,
0.3286

■ 24.8175, 0.3785,
0.3292

■ 15.6910, 0.2275,
0.3286

■ 26.3172, 0.3934,
0.3293

■ 15.6030, 0.2252,
0.3286

■ 27.9500, 0.4077,
0.3293

■ 15.5790, 0.2246,
0.3286

■ 29.7193, 0.4215,
0.3294

Harmonies

Analogous

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



18.4208, 0.2994, 0.3427



18.4208, 0.2882, 0.3289



18.4208, 0.2834, 0.3155

Triad

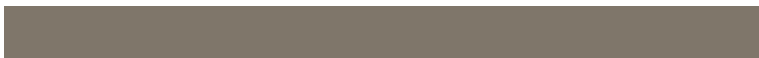
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.4208, 0.2882, 0.3289



18.4208, 0.3104, 0.3067



18.4208, 0.3397, 0.3515

Complementary

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



18.4208, 0.2882, 0.3289



14.6851, 0.3435, 0.3291

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.



18.4208, 0.3429, 0.3414



18.4208, 0.2882, 0.3289



18.4208, 0.3258, 0.3158

Square

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



18.4208, 0.2882, 0.3289



18.4208, 0.2960, 0.3032



18.4208, 0.3378, 0.3283



18.4208, 0.3292, 0.3559

Rectangle

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



18.4208, 0.2882, 0.3289



18.4208, 0.2845, 0.3087



18.4208, 0.3378, 0.3283



18.4208, 0.3417, 0.3487

Sweetspot

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



18.4216, 0.2882, 0.3289



34.6619, 0.3051, 0.3290



17.9547, 0.3107, 0.3726



8.1426, 0.3043, 0.3290



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.



18.4216, 0.2882, 0.3289



32.5513, 0.2835, 0.3289



15.9617, 0.2873, 0.3075



4.5121, 0.2994, 0.3289



16.1149, 0.2246, 0.3286



76.8646, 0.2246, 0.3286

Inverse Universe

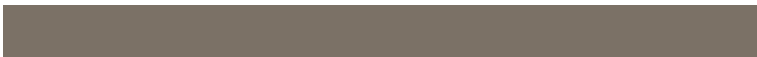
The Inverse Universe completely reimagines the original color for something new.



15.1523, 0.3146, 0.2889



25.6753, 0.3150, 0.2807



16.8758, 0.3402, 0.3496



4.0775, 0.3137, 0.3079



5.8337, 0.3211, 0.1542



27.8267, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 18.4208, 0.2882, 0.3289 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 18.4208, 0.2882, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

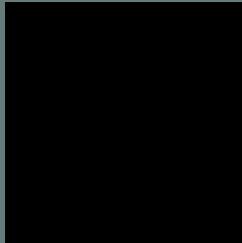
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4208, 0.2882, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 18.4208, 0.2882, 0.3289.



This preview shows how white text looks on a background with the Yxy color 18.4208, 0.2882, 0.3289.

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

18.4208, 0.2882, 0.3289

Protanopia

18.3060, 0.3129, 0.3252

Deuteranopia

18.3313, 0.3174, 0.3106



Tritanopia

18.5008, 0.2821, 0.3113

Trichromacy



Original Color

18.4208, 0.2882, 0.3289

Protanomaly

18.3241, 0.3030, 0.3270

Deuteranomaly

18.3340, 0.3070, 0.3176

Tritanomaly

18.3611, 0.2841, 0.3171

Monochromacy



Original Color

18.4208, 0.2882, 0.3289

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.9703, 0.3040, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4208, 0.2882, 0.3289 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(102, 123, 123)` looks like.

```
.text, #text, p{  
    color:rgb(102, 123, 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(102, 123, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 123, 123) }
```

Border

The CSS property to change the border of an element to Yxy 18.4208, 0.2882, 0.3289 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(102, 123, 123) }
```

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

```
.border{ border-color:rgb(102, 123, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 123, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 123, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 123, 123);  
box-shadow:4px 4px 4px 4px rgb(102, 123,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4208, 0.2882, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 123, 123) }
```

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

```
.background{ background-color: rgb(102,  
123, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor