

Converting Colors

$Y_{xy}(18.5192, 0.2573, 0.3267)$

Have a look what the booklet for
Yxy(18.5192, 0.2573, 0.3267)
contains.

Yxy(18.5192, 0.2573, 0.3267)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.5192, 0.2573, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	4B8081
RGB	75, 128, 129
RGB Percent	29%, 50%, 51%
CMY	0.7058, 0.4980, 0.4940
CMYK	0.42, 0.01, 0.00, 0.49
HSL	181°, 26%, 40%
HSV	181°, 42%, 51%
XYZ	14.5852, 18.5192, 23.5812
YIQ	112.2670, -31.9090, -10.9250

Conversions

Conversions Part 2

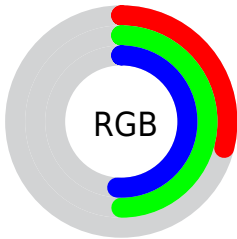
Format	Color
R_{YB}	75, 102, 129
Decimal	4948097
CIE _{Lab}	50.12, -17.31, -6.11
CIE _{LCh}	50, 18.357, 199.429
Yxy	18.5192, 0.2573, 0.3267
Android (android.graphics.Color)	4283138177 (0xFF4B8081)
YUV	112.2670, 8.2494, -32.6832
Hunter-Lab	43.0339, -14.8115, -2.3653

Details

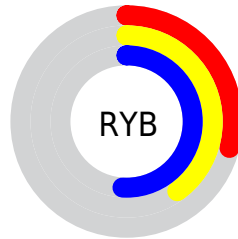
The Yxy color **18.5192, 0.2573, 0.3267** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.3513, 0.4133, 0.3313**, and the grayscale version is **16.2698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9372, 0.2697, 0.3274**, and **6.3417, 0.2347, 0.3254** is the 20% darker color. If you saturate the color by 10%, you get **17.9876, 0.2474, 0.3261**, and if you desaturate by 10%, it is **19.1579, 0.2688, 0.3273**.

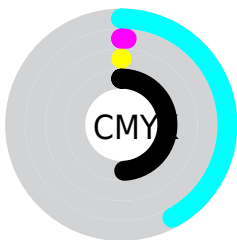
Distribution



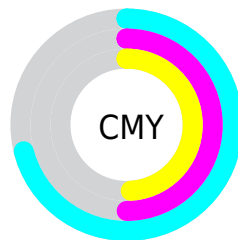
- Red (29%)
- Green (50%)
- Blue (51%)



- Red (29%)
- Yellow (40%)
- Blue (51%)



- Cyan (42%)
- Magenta (1%)
- Yellow (0%)
- Black (49%)





- Cyan (71%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5192, 0.2573, 0.3267 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 18.5192, 0.2573, 0.3267 by changing the saturation by 10% instead.


 18.5192, 0.2573,
0.3267


 18.5192, 0.2573,
0.3267


243.7815, 0.2888,
0.3286

 11.3234, 0.2479,
0.3258


 40.9201, 0.2698,
0.3276


 6.2848, 0.2346,
0.3244


 56.8939, 0.2742,
0.3279


 3.0190, 0.2147,
0.3217

 76.5625, 0.2777,
0.3281

 1.1417, 0.1782,
0.3168

 100.3104, 0.2807,
0.3282

 0.0133, 0.0000,
0.0292

 128.5218, 0.2832,
0.3283

 0.0000, 0.0000,
0.0000

161.5812, 0.2853,

0.3284

199.8729, 0.2872,
0.3285

■ 18.5192, 0.2573,
0.3267

■ 18.5192, 0.2573,
0.3267

■ 17.9876, 0.2474,
0.3261

■ 19.1579, 0.2688,
0.3273

■ 17.5546, 0.2391,
0.3255

■ 19.9074, 0.2815,
0.3279

■ 17.2137, 0.2326,
0.3249

■ 20.7740, 0.2953,
0.3284

■ 16.9569, 0.2279,
0.3242

■ 21.7626, 0.3099,
0.3289

■ 16.7747, 0.2249,
0.3236

■ 22.8782, 0.3251,
0.3294

■ 16.6557, 0.2231,
0.3232

■ 24.1251, 0.3405,
0.3298

■ 25.5078, 0.3559,
0.3302

■ 27.0303, 0.3712,
0.3305

■ 28.6967, 0.3861,
0.3308

Harmonies

Analogous

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



18.5192, 0.2814, 0.3602



18.5192, 0.2573, 0.3267



18.5192, 0.2477, 0.2963

Triad

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



18.5192, 0.2573, 0.3267



18.5192, 0.3077, 0.2805



18.5192, 0.3738, 0.3797

Complementary

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



18.5192, 0.2573, 0.3267



10.3513, 0.4133, 0.3313

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.



18.5192, 0.3824, 0.3557



18.5192, 0.2573, 0.3267



18.5192, 0.3431, 0.3002

Square

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



18.5192, 0.2573, 0.3267



18.5192, 0.2755, 0.2720



18.5192, 0.3710, 0.3271



18.5192, 0.3486, 0.3914

Rectangle

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



18.5192, 0.2573, 0.3267



18.5192, 0.2502, 0.2820



18.5192, 0.3710, 0.3271



18.5192, 0.3788, 0.3727

Sweetspot

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



18.5199, 0.2573, 0.3267



36.9512, 0.2933, 0.3283



17.7230, 0.3061, 0.4500



8.2946, 0.2906, 0.3282



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.



18.5199, 0.2573, 0.3267



32.2607, 0.2480, 0.3261



12.4126, 0.2480, 0.2669



4.8734, 0.2993, 0.3285



16.2349, 0.2231, 0.3232



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.2618, 0.3189, 0.2321



17.5010, 0.3203, 0.2128



14.8613, 0.3914, 0.3834



4.4111, 0.3140, 0.3081



6.0334, 0.3255, 0.1567



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.5192, 0.2573, 0.3267 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 18.5192, 0.2573, 0.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

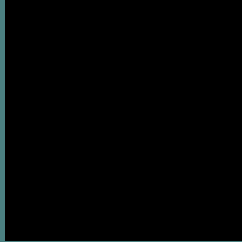
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5192, 0.2573, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 18.5192, 0.2573, 0.3267.



This preview shows how white text looks on a background with the Yxy color 18.5192, 0.2573, 0.3267.

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

18.5192, 0.2573, 0.3267

Protanopia

18.3800, 0.3094, 0.3195

Deuteranopia

18.4418, 0.3041, 0.2995



Tritanopia

18.5627, 0.2520, 0.3085

Trichromacy



Original Color

18.5192, 0.2573, 0.3267

Protanomaly

18.3428, 0.2882, 0.3230

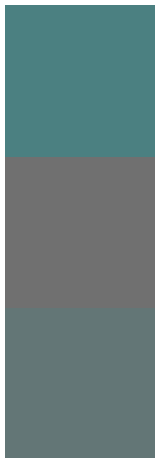
Deuteranomaly

18.1358, 0.2841, 0.3075

Tritanomaly

18.4365, 0.2536, 0.3144

Monochromacy



Original Color

18.5192, 0.2573, 0.3267

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.9175, 0.2896, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5192, 0.2573, 0.3267 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(75, 128, 129)` looks like.

```
.text, #text, p{  
    color:rgb(75, 128, 129)  
}
```

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(75, 128, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 128, 129) }
```

Border

The CSS property to change the border of an element to Yxy 18.5192, 0.2573, 0.3267 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(75, 128, 129) }
```

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

```
.border{ border-color:rgb(75, 128, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 128, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 128, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 128, 129);  
box-shadow:4px 4px 4px 4px rgb(75, 128,  
129) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 18.5192, 0.2573, 0.3267$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 128, 129) }
```

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

```
.background{ background-color: rgb(75, 128,  
129) }
```

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