

Converting Colors

$Y_{xy}(10.2075, 0.2293, 0.3267)$

Have a look what the booklet for
Yxy(10.2075, 0.2293, 0.3267)
contains.

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Color

Yxy(10.1825, 0.2291, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	126465
RGB	18, 100, 101
RGB Percent	7%, 39%, 40%
CMY	0.9291, 0.6078, 0.6040
CMYK	0.82, 0.01, 0.00, 0.60
HSL	181°, 70%, 23%
HSV	181°, 82%, 40%
XYZ	7.1559, 10.1825, 13.8963
YIQ	75.5960, -49.1930, -17.0730

Conversions

Conversions Part 2

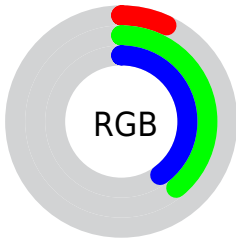
Format	Color
RYB	18, 59, 101
Decimal	1205349
CIELab	38.17, -22.36, -7.30
CIElCh	38, 23.518, 198.089
Yxy	10.1825, 0.2291, 0.3260
Android (android.graphics.Color)	4279395429 (0xFF126465)
YUV	75.5960, 12.5242, -50.5117
Hunter-Lab	31.9100, -15.8137, -3.4828

Details

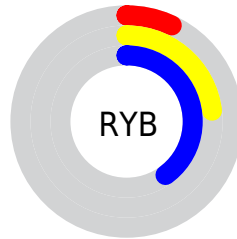
The Yxy color **10.1825, 0.2291, 0.3260** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.2774, 0.5770, 0.3313**, and the grayscale version is **7.1368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0625, 0.2504, 0.3270**, and **2.8125, 0.2233, 0.3239** is the 20% darker color. If you saturate the color by 10%, you get **10.0820, 0.2259, 0.3256**, and if you desaturate by 10%, it is **10.3259, 0.2339, 0.3264**.

Distribution



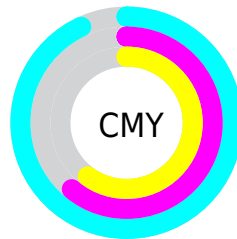
- Red (7%)
- Green (39%)
- Blue (40%)



- Red (7%)
- Yellow (23%)
- Blue (40%)



- Cyan (82%)
- Magenta (1%)
- Yellow (0%)
- Black (60%)





- Cyan (93%)
- Magenta (61%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1825, 0.2291, 0.3260 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 10.1825, 0.2291, 0.3260 by changing the saturation by 10% instead.


 10.1825, 0.2291,
0.3260


 10.1825, 0.2291,
0.3260


 191.9697, 0.2802,
0.3290


 5.5201, 0.2117,
0.3240

 26.1382, 0.2506,
0.3278


 2.5556, 0.1855,
0.3199


 38.2003, 0.2578,
0.3282

 0.9044, 0.1114,
0.3211

 53.4978, 0.2634,
0.3285


 0.0000, 0.0000,
0.0000


 72.4151, 0.2680,
0.3287


 95.3365, 0.2718,
0.3288


 122.6465, 0.2751,


0.3289

 154.7294, 0.2778,
0.3290


 10.1825, 0.2291,
0.3260


 10.1825, 0.2291,
0.3260


 10.0820, 0.2259,
0.3256


 10.3259, 0.2339,
0.3264

 10.0124, 0.2237,
0.3253

 10.5169, 0.2404,
0.3268

 10.7602, 0.2486,
0.3271

 11.0595, 0.2584,
0.3275

 11.4185, 0.2696,
0.3279

■ 11.8402, 0.2820,
0.3283

■ 12.3276, 0.2954,
0.3286

■ 12.8836, 0.3096,
0.3289

■ 13.5108, 0.3244,
0.3292

Harmonies

Analogous

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



10.1825, 0.2653, 0.3811



10.1825, 0.2291, 0.3260



10.1825, 0.2146, 0.2782

Triad

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



10.1825, 0.2291, 0.3260



10.1825, 0.3015, 0.2553



10.1825, 0.4082, 0.4037

Complementary

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



10.1825, 0.2291, 0.3260



3.2774, 0.5770, 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.



10.1825, 0.4218, 0.3650



10.1825, 0.2291, 0.3260



10.1825, 0.3572, 0.2835

Square

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



10.1825, 0.2291, 0.3260



10.1825, 0.2533, 0.2430



10.1825, 0.4029, 0.3222



10.1825, 0.3687, 0.4268

Rectangle

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



10.1825, 0.2291, 0.3260



10.1825, 0.2177, 0.2570



10.1825, 0.4029, 0.3222



10.1825, 0.4161, 0.3919

Sweetspot

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



10.1829, 0.2291, 0.3260



20.0599, 0.2774, 0.3281



9.4777, 0.3014, 0.5699



4.8912, 0.2743, 0.3280



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.1829, 0.2291, 0.3260



17.1956, 0.2239, 0.3253



4.2510, 0.1963, 0.1991



3.1799, 0.2999, 0.3287



13.1286, 0.2237, 0.3253



68.3756, 0.2236, 0.3251

Inverse Universe

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



4.1208, 0.3225, 0.1686



6.3502, 0.3238, 0.1562



5.9922, 0.4901, 0.4156



2.8885, 0.3138, 0.3089



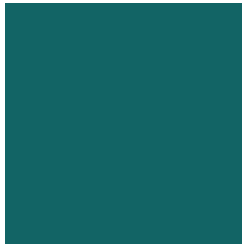
4.8289, 0.3238, 0.1557



25.1754, 0.3240, 0.1558

Previews

White Background



This preview shows how the Yxy color 10.1825, 0.2291, 0.3260 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 10.1825, 0.2291, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

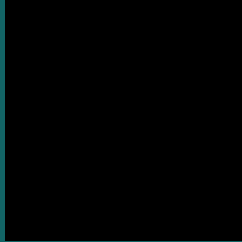
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.1825, 0.2291, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 10.1825, 0.2291, 0.3260.



This preview shows how white text looks on a background with the Yxy color 10.1825, 0.2291, 0.3260.

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

10.1825, 0.2291, 0.3260

Protanopia

10.1266, 0.3069, 0.3168

Deuteranopia

10.0400, 0.2941, 0.2889



Tritanopia

10.1794, 0.2260, 0.3071

Trichromacy



Original Color

10.1825, 0.2291, 0.3260

Protanomaly

9.7818, 0.2664, 0.3183

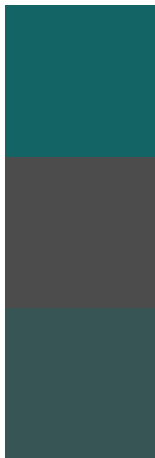
Deuteranomaly

9.7236, 0.2591, 0.3003

Tritanomaly

10.1142, 0.2267, 0.3123

Monochromacy



Original Color

10.1825, 0.2291, 0.3260

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.9651, 0.2669, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1825, 0.2291, 0.3260 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(18, 100, 101)` looks like.

```
.text, #text, p{  
    color:rgb(18, 100, 101)  
}
```

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(18, 100, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 100, 101) }
```

Border

The CSS property to change the border of an element to Yxy 10.1825, 0.2291, 0.3260 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(18, 100, 101) }
```

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

```
.border{ border-color:rgb(18, 100, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 100, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 100, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 100, 101);  
box-shadow:4px 4px 4px 4px rgb(18, 100,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1825, 0.2291, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 100, 101) }
```

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

```
.background{ background-color: rgb(18, 100,  
101) }
```

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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