

Converting Colors

$Yxy(10.1672, 0.2085, 0.2652)$

Have a look what the booklet for
Yxy(10.1672, 0.2085, 0.2652)
contains.

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Color

$Y_{xy}(10.2106, 0.2084, 0.2650)$

Conversions

Conversions Part 1

Format	Color
Hex	07627B
RGB	7, 98, 123
RGB Percent	3%, 38%, 48%
CMY	0.9730, 0.6157, 0.5176
CMYK	0.94, 0.20, 0.00, 0.52
HSL	193°, 89%, 25%
HSV	193°, 94%, 48%
XYZ	8.0298, 10.2106, 20.2902
YIQ	73.6410, -62.2610, -11.5170

Conversions

Conversions Part 2

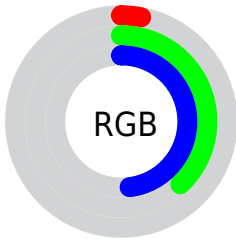
Format	Color
RYB	7, 58, 123
Decimal	483963
CIELab	38.22, -14.30, -20.76
CIELCh	38, 25.208, 235.431
Yxy	10.2106, 0.2084, 0.2650
Android (android.graphics.Color)	4278674043 (0xFF07627B)
YUV	73.6410, 24.3340, -58.4442
Hunter-Lab	31.9540, -11.0641, -15.2802

Details

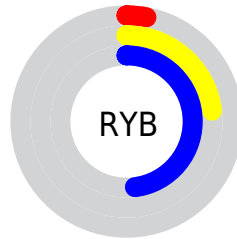
The Yxy color **10.2106, 0.2084, 0.2650** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.2539, 0.5922, 0.3567**, and the grayscale version is **6.7397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2917, 0.2342, 0.2824**, and **2.8621, 0.1986, 0.2349** is the 20% darker color. If you saturate the color by 10%, you get **9.8918, 0.2058, 0.2607**, and if you desaturate by 10%, it is **10.8108, 0.2135, 0.2726**.

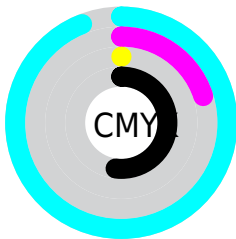
Distribution



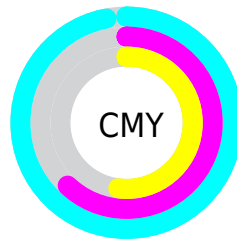
- Red (3%)
- Green (38%)
- Blue (48%)



- Red (3%)
- Yellow (23%)
- Blue (48%)



- Cyan (94%)
- Magenta (20%)
- Yellow (0%)
- Black (52%)



- Cyan (97%)
- Magenta (62%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2106, 0.2084, 0.2650 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 10.2106, 0.2084, 0.2650 by changing the saturation by 10% instead.

10.2106, 0.2084,
0.2650

10.2106, 0.2084,
0.2650

192.1686, 0.2710,
0.3057

5.5388, 0.1883,
0.2503

26.1909, 0.2342,
0.2827

2.5667, 0.1594,
0.2278

38.2681, 0.2429,
0.2883

0.9100, 0.1085,
0.1916

53.5827, 0.2499,
0.2928

0.0000, 0.0000,
0.0000

72.5189, 0.2556,
0.2964

95.4613, 0.2604,
0.2993

122.7941, 0.2645,

0.3018

154.9017, 0.2679,
0.3039

10.2106, 0.2084,
0.2650

10.2106, 0.2084,
0.2650

9.8918, 0.2058,
0.2607

10.8108, 0.2135,
0.2726

11.4900, 0.2203,
0.2802

12.2591, 0.2289,
0.2877

13.1257, 0.2392,
0.2951

14.0965, 0.2508,
0.3022

■ 15.1775, 0.2636,
0.3090

■ 16.3741, 0.2773,
0.3154

■ 17.6915, 0.2916,
0.3213

■ 19.1343, 0.3062,
0.3268

Harmonies

Analogous

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



10.2106, 0.2176, 0.3114



10.2106, 0.2084, 0.2650



10.2106, 0.2232, 0.2409

Triad

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



10.2106, 0.2084, 0.2650



10.2106, 0.3741, 0.2897



10.2106, 0.3591, 0.4356

Complementary

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



10.2106, 0.2084, 0.2650



5.2539, 0.5922, 0.3567

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.



10.2106, 0.4062, 0.4165



10.2106, 0.2084, 0.2650



10.2106, 0.4175, 0.3324

Square

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



10.2106, 0.2084, 0.2650



10.2106, 0.3149, 0.2567



10.2106, 0.4289, 0.3776



10.2106, 0.3020, 0.4201

Rectangle

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



10.2106, 0.2084, 0.2650



10.2106, 0.2456, 0.2374



10.2106, 0.4289, 0.3776



10.2106, 0.3767, 0.4325

Sweetspot

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



10.2110, 0.2084, 0.2650



28.3727, 0.2714, 0.3127



14.3075, 0.2925, 0.5651



6.5009, 0.2664, 0.3104



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.



10.2110, 0.2084, 0.2650



17.4969, 0.2053, 0.2589



3.1109, 0.1678, 0.1165



4.3729, 0.2994, 0.3243



10.2229, 0.2057, 0.2606



47.4853, 0.2046, 0.2567

Inverse Universe

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



5.2431, 0.3771, 0.1892



9.0486, 0.3834, 0.1886



11.2347, 0.4742, 0.4549



4.0634, 0.3167, 0.3124



5.2389, 0.3818, 0.1877



24.8608, 0.3856, 0.1898

Previews

White Background



This preview shows how the Yxy color 10.2106, 0.2084, 0.2650 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 10.2106, 0.2084, 0.2650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

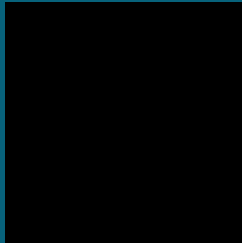
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.2106, 0.2084, 0.2650

Background



This preview shows how black text looks on a background with the Yxy color 10.2106, 0.2084, 0.2650.

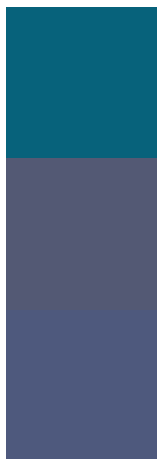


This preview shows how white text looks on a background with the Yxy color 10.2106, 0.2084, 0.2650.

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

10.2106, 0.2084, 0.2650

Protanopia

10.2447, 0.2674, 0.2661

Deuteranopia

10.2451, 0.2510, 0.2469



Tritanopia

10.1971, 0.2186, 0.3068

Trichromacy



Original Color

10.2106, 0.2084, 0.2650

Protanomaly

9.7984, 0.2334, 0.2619

Deuteranomaly

9.8396, 0.2264, 0.2509

Tritanomaly

10.1353, 0.2149, 0.2912

Monochromacy



Original Color

10.2106, 0.2084, 0.2650

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.6373, 0.2512, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2106, 0.2084, 0.2650 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(7, 98, 123)` looks like.

```
.text, #text, p{  
    color:rgb(7, 98, 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(7, 98, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 98, 123) }
```

Border

The CSS property to change the border of an element to Yxy 10.2106, 0.2084, 0.2650 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(7, 98, 123) }
```

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

```
.border{ border-color:rgb(7, 98, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 98, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 98, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 98, 123);  
box-shadow:4px 4px 4px 4px rgb(7, 98, 123)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2106, 0.2084, 0.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 98, 123) }
```

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

```
.background{ background-color: rgb(7, 98,  
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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