

Converting Colors

$Yxy(10.2558, 0.2077, 0.2677)$

Have a look what the booklet for
Yxy(10.2558, 0.2077, 0.2677)
contains.

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Color

Yxy(10.3288, 0.2083, 0.2698)

Conversions

Conversions Part 1

Format	Color
Hex	00637A
RGB	0, 99, 122
RGB Percent	0%, 39%, 48%
CMY	0.9997, 0.6118, 0.5216
CMYK	1.00, 0.19, 0.00, 0.52
HSL	191°, 100%, 24%
HSV	191°, 100%, 48%
XYZ	7.9744, 10.3288, 19.9800
YIQ	72.0210, -66.3870, -13.8350

Conversions

Conversions Part 2

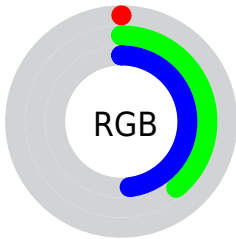
Format	Color
RYB	0, 55, 122
Decimal	25466
CIELab	38.43, -15.71, -19.81
CIELCh	38, 25.284, 231.594
Yxy	10.3288, 0.2083, 0.2698
Android (android.graphics.Color)	4278215546 (0xFF00637A)
YUV	72.0210, 24.6396, -63.1624
Hunter-Lab	32.1385, -11.9518, -14.3628

Details

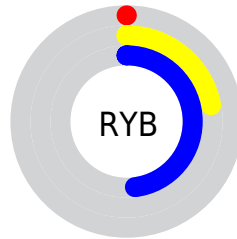
The Yxy color **10.3288, 0.2083, 0.2698** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **4.7516, 0.6143, 0.3503**, and the grayscale version is **6.4536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4052, 0.2341, 0.2872**, and **2.9370, 0.2007, 0.2425** is the 20% darker color. If you saturate the color by 10%, you get **10.3259, 0.2083, 0.2698**, and if you desaturate by 10%, it is **10.8508, 0.2127, 0.2764**.

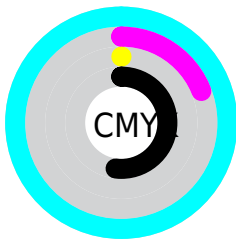
Distribution



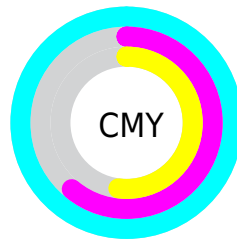
- Red (0%)
- Green (39%)
- Blue (48%)



- Red (0%)
- Yellow (22%)
- Blue (48%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (52%)




- Cyan (100%)
- Magenta (61%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3288, 0.2083, 0.2698 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 10.3288, 0.2083, 0.2698 by changing the saturation by 10% instead.


 10.3288, 0.2083,
0.2698


 10.3288, 0.2083,
0.2698


 193.0029, 0.2708,
0.3077


 5.6175, 0.1882,
0.2560

 26.4121, 0.2341,
0.2863


 2.6139, 0.1594,
0.2346


 38.5530, 0.2428,
0.2916

 0.9337, 0.1078,
0.2000

 53.9391, 0.2498,
0.2957

 0.0000, 0.0000,
0.0000


 72.9549, 0.2555,
0.2991


 95.9848, 0.2603,
0.3018


 123.4132, 0.2644,

0.3041


 155.6244, 0.2678,
0.3060


 10.3288, 0.2083,
0.2698


 10.3288, 0.2083,
0.2698


 10.3259, 0.2083,
0.2698

 10.8508, 0.2127,
0.2764

 11.4252, 0.2182,
0.2829

 12.0795, 0.2254,
0.2895

 12.8218, 0.2344,
0.2960

 13.6589, 0.2450,
0.3023

■ 14.5971, 0.2569,
0.3083

■ 15.6418, 0.2699,
0.3141

■ 16.7983, 0.2838,
0.3195

■ 18.0712, 0.2981,
0.3245

Harmonies

Analogous

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



10.3288, 0.2206, 0.3186



10.3288, 0.2083, 0.2698



10.3288, 0.2200, 0.2428

Triad

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



10.3288, 0.2083, 0.2698



10.3288, 0.3669, 0.2848



10.3288, 0.3660, 0.4348

Complementary

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



10.3288, 0.2083, 0.2698



4.7516, 0.6143, 0.3503

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.



10.3288, 0.4106, 0.4122



10.3288, 0.2083, 0.2698



10.3288, 0.4134, 0.3266

Square

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



10.3288, 0.2083, 0.2698



10.3288, 0.3073, 0.2535



10.3288, 0.4293, 0.3719



10.3288, 0.3094, 0.4241

Rectangle

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



10.3288, 0.2083, 0.2698



10.3288, 0.2406, 0.2374



10.3288, 0.4293, 0.3719



10.3288, 0.3829, 0.4302

Sweetspot

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



10.3292, 0.2083, 0.2698



27.3753, 0.2689, 0.3136



13.9750, 0.2939, 0.5778



6.1141, 0.2644, 0.3117



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



10.3292, 0.2083, 0.2698



17.9875, 0.2079, 0.2682



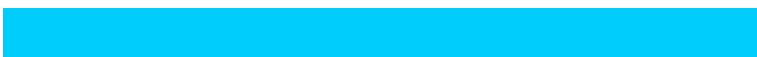
2.8354, 0.1639, 0.1099



4.3901, 0.2994, 0.3249



10.8636, 0.2082, 0.2696



50.6517, 0.2073, 0.2662

Inverse Universe

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



5.0389, 0.3730, 0.1829



8.8455, 0.3745, 0.1837



10.3812, 0.4858, 0.4524



4.0652, 0.3163, 0.3118



5.3036, 0.3732, 0.1830



25.1805, 0.3764, 0.1847

Previews

White Background



This preview shows how the Yxy color 10.3288, 0.2083, 0.2698 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 10.3288, 0.2083, 0.2698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

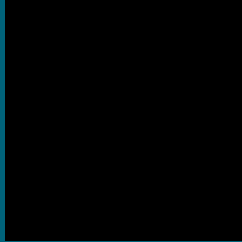
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3288, 0.2083, 0.2698

Background



This preview shows how black text looks on a background with the Yxy color 10.3288, 0.2083, 0.2698.

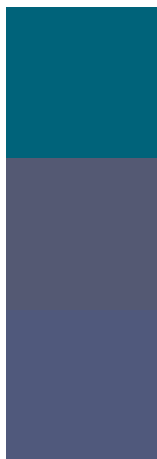


This preview shows how white text looks on a background with the Yxy color 10.3288, 0.2083, 0.2698.

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

10.3288, 0.2083, 0.2698

Protanopia

10.2674, 0.2699, 0.2684

Deuteranopia

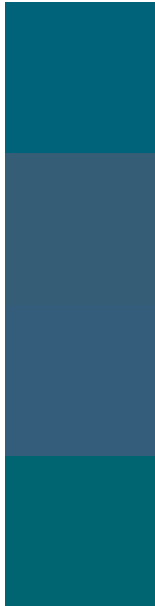
10.3055, 0.2545, 0.2494



Tritanopia

10.3901, 0.2194, 0.3096

Trichromacy



Original Color

10.3288, 0.2083, 0.2698

Protanomaly

9.8936, 0.2330, 0.2664

Deuteranomaly

9.9626, 0.2270, 0.2554

Tritanomaly

10.3066, 0.2150, 0.2940

Monochromacy



Original Color

10.3288, 0.2083, 0.2698

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.3536, 0.2483, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3288, 0.2083, 0.2698 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(0, 99, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 122)  
}
```

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(0, 99, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 122) }
```

Border

The CSS property to change the border of an element to Yxy 10.3288, 0.2083, 0.2698 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(0, 99, 122) }
```

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

```
.border{ border-color:rgb(0, 99, 122) }
```

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

Here you see how a box with a 4 pixel rgb(0, 99, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 122)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.3288, 0.2083, 0.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 99, 122) }
```

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

```
.background{ background-color: rgb(0, 99,  
122) }
```

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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