

Converting Colors

$Y_{xy}(7.7236, 0.0948, 0.2573)$

Have a look what the booklet for
Yxy(7.7236, 0.0948, 0.2573)
contains.

Yxy(10.3042, 0.2089, 0.2720)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(10.3042, 0.2089, 0.2720)$

Conversions

Conversions Part 1

Format	Color
Hex	006379
RGB	0, 99, 121
RGB Percent	0%, 39%, 47%
CMY	0.9999, 0.6118, 0.5254
CMYK	1.00, 0.18, 0.00, 0.53
HSL	191°, 100%, 24%
HSV	191°, 100%, 47%
XYZ	7.9138, 10.3042, 19.6651
YIQ	71.9070, -66.0660, -14.1460

Conversions

Conversions Part 2

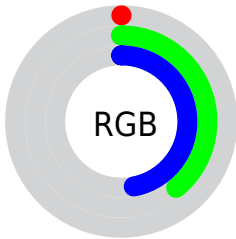
Format	Color
RYB	0, 54, 121
Decimal	25465
CIELab	38.38, -16.08, -19.29
CIELCh	38, 25.109, 230.188
Yxy	10.3042, 0.2089, 0.2720
Android (android.graphics.Color)	4278215545 (0xFF006379)
YUV	71.9070, 24.2028, -63.0624
Hunter-Lab	32.1002, -12.1690, -13.8520

Details

The Yxy color **10.3042, 0.2089, 0.2720** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **4.6413, 0.6155, 0.3494**, and the grayscale version is **6.4314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3663, 0.2347, 0.2888**, and **2.9239, 0.2016, 0.2459** is the 20% darker color. If you saturate the color by 10%, you get **10.3036, 0.2089, 0.2720**, and if you desaturate by 10%, it is **10.8064, 0.2132, 0.2783**.

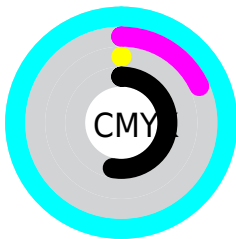
Distribution



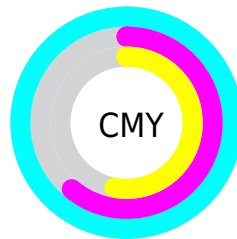
- Red (0%)
- Green (39%)
- Blue (47%)



- Red (0%)
- Yellow (21%)
- Blue (47%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (53%)




- Cyan (100%)
- Magenta (61%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3042, 0.2089, 0.2720 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 10.3042, 0.2089, 0.2720 by changing the saturation by 10% instead.


 10.3042, 0.2089,
0.2720


 10.3042, 0.2089,
0.2720

 192.8296, 0.2711,
0.3086


 5.6011, 0.1889,
0.2586

 26.3661, 0.2346,
0.2880


 2.6041, 0.1600,
0.2376


 38.4937, 0.2433,
0.2931

 0.9287, 0.1074,
0.2038

 53.8650, 0.2502,
0.2971

 0.0000, 0.0000,
0.0000

 72.8643, 0.2559,
0.3003

 95.8760, 0.2607,
0.3029

 123.2845, 0.2647,

0.3051

155.4743, 0.2682,
0.3070

10.3042, 0.2089,
0.2720

10.3042, 0.2089,
0.2720

10.3036, 0.2089,
0.2720

10.8064, 0.2132,
0.2783

11.3587, 0.2186,
0.2846

11.9887, 0.2258,
0.2909

12.7041, 0.2347,
0.2971

13.5119, 0.2452,
0.3032

■ 14.4178, 0.2570,
0.3091

■ 15.4276, 0.2700,
0.3146

■ 16.5460, 0.2837,
0.3198

■ 17.7779, 0.2981,
0.3246

Harmonies

Analogous

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



10.3042, 0.2223, 0.3214



10.3042, 0.2089, 0.2720



10.3042, 0.2195, 0.2440

Triad

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



10.3042, 0.2089, 0.2720



10.3042, 0.3639, 0.2834



10.3042, 0.3682, 0.4337

Complementary

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



10.3042, 0.2089, 0.2720



4.6413, 0.6155, 0.3494

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.



10.3042, 0.4116, 0.4102



10.3042, 0.2089, 0.2720



10.3042, 0.4112, 0.3246

Square

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



10.3042, 0.2089, 0.2720



10.3042, 0.3046, 0.2528



10.3042, 0.4287, 0.3696



10.3042, 0.3121, 0.4248

Rectangle

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



10.3042, 0.2089, 0.2720



10.3042, 0.2393, 0.2380



10.3042, 0.4287, 0.3696



10.3042, 0.3848, 0.4288

Sweetspot

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



10.3046, 0.2089, 0.2720



27.4742, 0.2689, 0.3142



13.7294, 0.2946, 0.5805



6.1390, 0.2645, 0.3123



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.



10.3046, 0.2089, 0.2720



18.2606, 0.2085, 0.2705



2.9225, 0.1651, 0.1142



4.3944, 0.2994, 0.3250



11.0245, 0.2088, 0.2718



51.4486, 0.2079, 0.2685

Inverse Universe

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



4.9673, 0.3709, 0.1817



8.8731, 0.3724, 0.1825



9.9040, 0.4900, 0.4491



4.0656, 0.3162, 0.3117



5.3198, 0.3711, 0.1818



25.2610, 0.3742, 0.1835

Previews

White Background



This preview shows how the Yxy color 10.3042, 0.2089, 0.2720 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 10.3042, 0.2089, 0.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

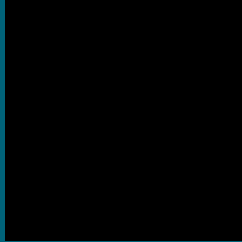
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

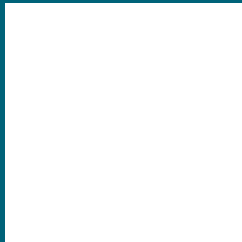
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.3042, 0.2089, 0.2720

Background



This preview shows how black text looks on a background with the Yxy color 10.3042, 0.2089, 0.2720.

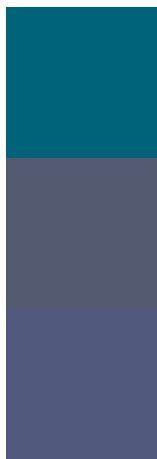


This preview shows how white text looks on a background with the Yxy color 10.3042, 0.2089, 0.2720.

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

10.3042, 0.2089, 0.2720

Protanopia

10.2445, 0.2711, 0.2705

Deuteranopia

10.2803, 0.2556, 0.2513



Tritanopia

10.3901, 0.2194, 0.3096

Trichromacy



Original Color

10.3042, 0.2089, 0.2720

Protanomaly

9.8699, 0.2339, 0.2686

Deuteranomaly

9.9376, 0.2278, 0.2575

Tritanomaly

10.3066, 0.2150, 0.2940

Monochromacy



Original Color

10.3042, 0.2089, 0.2720

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 10.3042, 0.2089, 0.2720 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 99, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 99, 121) }
```

Border

The CSS property to change the border of an element to Yxy 10.3042, 0.2089, 0.2720 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, 121) }
```

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

```
.border{ border-color:rgb(0, 99, 121) }
```

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, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 99, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 99, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 99, 121)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.3042, 0.2089, 0.2720 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, 121) }
```

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

```
.background{ background-color: rgb(0, 99,  
121) }
```

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