

Converting Colors

$Yxy(28.1888, 0.2079, 0.2636)$

Have a look what the booklet for
Yxy(28.1888, 0.2079, 0.2636)
contains.

Yxy(28.2096, 0.2079, 0.2638)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.2096, 0.2079, 0.2638)

Conversions

Conversions Part 1

Format	Color
Hex	109DC4
RGB	16, 157, 196
RGB Percent	6%, 62%, 77%
CMY	0.9377, 0.3843, 0.2314
CMYK	0.92, 0.20, 0.00, 0.23
HSL	193°, 85%, 42%
HSV	193°, 92%, 77%
XYZ	22.2319, 28.2096, 56.4941
YIQ	119.2870, -96.5550, -17.7630

Conversions

Conversions Part 2

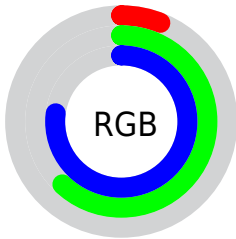
Format	Color
R _{YB}	16, 95, 196
Decimal	1088964
CIE _{Lab}	60.08, -19.85, -29.54
CIE _{LCh}	60, 35.592, 236.101
Yxy	28.2096, 0.2079, 0.2638
Android (android.graphics.Color)	4279279044 (0xFF109DC4)
YUV	119.2870, 37.8195, -90.5827
Hunter-Lab	53.1127, -18.2308, -25.8857

Details

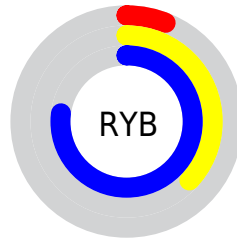
The Yxy color **28.2096, 0.2079, 0.2638** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.4914, 0.5948, 0.3559**, and the grayscale version is **18.4328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0036, 0.2278, 0.2778**, and **12.2611, 0.2018, 0.2466** is the 20% darker color. If you saturate the color by 10%, you get **26.9550, 0.2049, 0.2575**, and if you desaturate by 10%, it is **29.9279, 0.2130, 0.2717**.

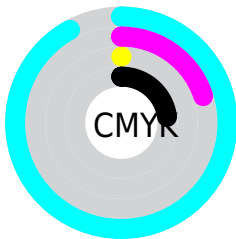
Distribution



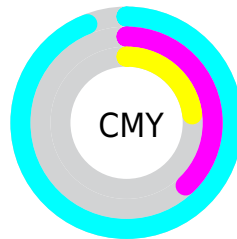
- Red (6%)
- Green (62%)
- Blue (77%)



- Red (6%)
- Yellow (37%)
- Blue (77%)



- Cyan (92%)
- Magenta (20%)
- Yellow (0%)
- Black (23%)





- Cyan (94%)
- Magenta (38%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2096, 0.2079, 0.2638 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 28.2096, 0.2079, 0.2638 by changing the saturation by 10% instead.

 28.2096, 0.2079,
0.2638


 28.2096, 0.2079,
0.2638


293.4671, 0.2619,
0.2998


 18.4837, 0.1942,
0.2538


 56.8189, 0.2277,
0.2776

 11.2978, 0.1768,
0.2405


 76.4711, 0.2351,
0.2826

 6.2675, 0.1539,
0.2220


 100.2009, 0.2414,
0.2867

 3.0084, 0.1231,
0.1951

 128.3926, 0.2467,
0.2902

 1.1361, 0.0784,
0.1548

 161.4307, 0.2513,
0.2931

 0.0086, 0.0000,
0.0034

199.6996, 0.2553,

 0.0000, 0.0000,

0.2957

0.0000

243.5836, 0.2588,
0.2979

■ 28.2096, 0.2079,
0.2638

■ 28.2096, 0.2079,
0.2638

■ 26.9550, 0.2049,
0.2575

■ 29.9279, 0.2130,
0.2717

■ 31.8875, 0.2200,
0.2796

■ 34.1178, 0.2289,
0.2875

■ 36.6424, 0.2396,
0.2952

■ 39.4820, 0.2518,
0.3027

■ 42.6554, 0.2653,
0.3097

■ 46.1795, 0.2796,
0.3163

■ 50.0700, 0.2946,
0.3224

■ 54.3417, 0.3098,
0.3280

Harmonies

Analogous

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



28.2096, 0.2166, 0.3100



28.2096, 0.2079, 0.2638



28.2096, 0.2233, 0.2402

Triad

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



28.2096, 0.2079, 0.2638



28.2096, 0.3757, 0.2904



28.2096, 0.3581, 0.4363

Complementary

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



28.2096, 0.2079, 0.2638



14.4914, 0.5948, 0.3559

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.



28.2096, 0.4059, 0.4177



28.2096, 0.2079, 0.2638



28.2096, 0.4188, 0.3333

Square

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



28.2096, 0.2079, 0.2638



28.2096, 0.3163, 0.2569



28.2096, 0.4294, 0.3788



28.2096, 0.3007, 0.4199

Rectangle

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



28.2096, 0.2079, 0.2638



28.2096, 0.2462, 0.2369



28.2096, 0.4294, 0.3788



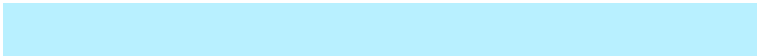
28.2096, 0.3759, 0.4334

Sweetspot

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



28.2106, 0.2079, 0.2638



79.4137, 0.2702, 0.3121



39.8335, 0.2928, 0.5671



16.4215, 0.2640, 0.3091



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



28.2106, 0.2079, 0.2638



48.4378, 0.2045, 0.2563



8.4635, 0.1670, 0.1143



11.0465, 0.2984, 0.3239



17.4510, 0.2052, 0.2586



0.8483, 0.2100, 0.2760

Inverse Universe

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



14.5365, 0.3783, 0.1894



25.4210, 0.3860, 0.1900



31.1058, 0.4755, 0.4547



10.2090, 0.3170, 0.3111



9.0439, 0.3838, 0.1888



0.4003, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 28.2096, 0.2079, 0.2638 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 28.2096, 0.2079, 0.2638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

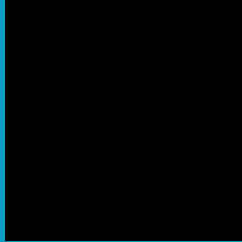
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2096, 0.2079, 0.2638

Background



This preview shows how black text looks on a background with the Yxy color 28.2096, 0.2079, 0.2638.

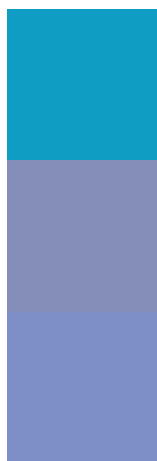


This preview shows how white text looks on a background with the Yxy color 28.2096, 0.2079, 0.2638.

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

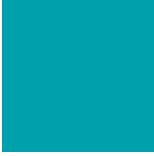
28.2096, 0.2079, 0.2638

Protanopia

27.8353, 0.2658, 0.2633

Deuteranopia

27.9051, 0.2499, 0.2439



Tritanopia

28.1202, 0.2187, 0.3072

Trichromacy



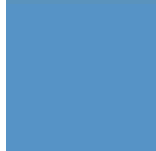
Original Color

28.2096, 0.2079, 0.2638



Protanomaly

26.7152, 0.2323, 0.2604



Deuteranomaly

26.9231, 0.2250, 0.2476



Tritanomaly

28.1712, 0.2145, 0.2903

Monochromacy



Original Color

28.2096, 0.2079, 0.2638



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

20.6310, 0.2494, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2096, 0.2079, 0.2638 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(16, 157, 196)` looks like.

```
.text, #text, p{  
    color:rgb(16, 157, 196)  
}
```

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(16, 157, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 157, 196) }
```

Border

The CSS property to change the border of an element to Yxy 28.2096, 0.2079, 0.2638 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(16, 157, 196) }
```

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

```
.border{ border-color:rgb(16, 157, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 157, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 157, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 157, 196);  
box-shadow:4px 4px 4px 4px rgb(16, 157,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2096, 0.2079, 0.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 157, 196) }
```

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

```
.background{ background-color: rgb(16, 157,  
196) }
```

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