

Converting Colors

$Yxy(24.5553, 0.1460, 0.2648)$

Have a look what the booklet for
Yxy(24.5553, 0.1460, 0.2648)
contains.

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Color

Yxy(28.9919, 0.2093, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	01A0C1
RGB	1, 160, 193
RGB Percent	0%, 63%, 76%
CMY	0.9977, 0.3726, 0.2431
CMYK	1.00, 0.17, 0.00, 0.24
HSL	190°, 99%, 38%
HSV	190°, 100%, 76%
XYZ	22.2027, 28.9919, 54.8862
YIQ	116.2210, -105.3570, -23.4450

Conversions

Conversions Part 2

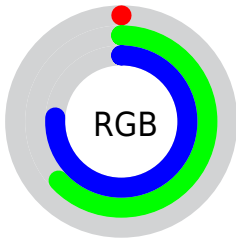
Format	Color
RYB	1, 88, 193
Decimal	106689
CIELab	60.77, -22.99, -26.80
CIELCh	61, 35.310, 229.378
Yxy	28.9919, 0.2093, 0.2733
Android (android.graphics.Color)	4278296769 (0xFF01A0C1)
YUV	116.2210, 37.8520, -101.0488
Hunter-Lab	53.8441, -20.6224, -22.7466

Details

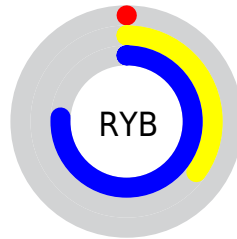
The Yxy color **28.9919, 0.2093, 0.2733** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **12.4622, 0.6223, 0.3437**, and the grayscale version is **17.4001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1557, 0.2289, 0.2850**, and **12.5892, 0.2048, 0.2572** is the 20% darker color. If you saturate the color by 10%, you get **28.9549, 0.2092, 0.2731**, and if you desaturate by 10%, it is **30.3004, 0.2127, 0.2794**.

Distribution



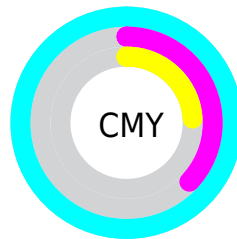
- Red (0%)
- Green (63%)
- Blue (76%)



- Red (0%)
- Yellow (35%)
- Blue (76%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (24%)





- Cyan (100%)
- Magenta (37%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9919, 0.2093, 0.2733 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 28.9919, 0.2093, 0.2733 by changing the saturation by 10% instead.

 28.9919, 0.2093,
0.2733


 28.9919, 0.2093,
0.2733


297.1767, 0.2625,
0.3044


 19.0747, 0.1959,
0.2645


 58.0642, 0.2288,
0.2854


 11.7243, 0.1786,
0.2527


 77.9881, 0.2361,
0.2897


 6.5562, 0.1560,
0.2361


 102.0164, 0.2422,
0.2932

 3.1861, 0.1256,
0.2114

 130.5334, 0.2475,
0.2962

 1.2297, 0.0808,
0.1735

 163.9235, 0.2520,
0.2987

 0.0857, 0.0000,
0.0351

202.5712, 0.2559,

 0.0000, 0.0000,

0.3009

0.0000

246.8608, 0.2594,
0.3028

■ 28.9919, 0.2093,
0.2733

■ 28.9919, 0.2093,
0.2733

■ 28.9549, 0.2092,
0.2731

■ 30.3004, 0.2127,
0.2794

■ 31.7824, 0.2176,
0.2855

■ 33.4873, 0.2244,
0.2917

■ 35.4408, 0.2331,
0.2978

■ 37.6647, 0.2435,
0.3037

■ 40.1784, 0.2555,
0.3095

■ 42.9992, 0.2688,
0.3150

■ 46.1429, 0.2830,
0.3201

■ 49.6243, 0.2979,
0.3248

Harmonies

Analogous

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



28.9919, 0.2233, 0.3230



28.9919, 0.2093, 0.2733



28.9919, 0.2192, 0.2448

Triad

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



28.9919, 0.2093, 0.2733



28.9919, 0.3622, 0.2825



28.9919, 0.3694, 0.4330

Complementary

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



28.9919, 0.2093, 0.2733



12.4622, 0.6223, 0.3437

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.



28.9919, 0.4121, 0.4090



28.9919, 0.2093, 0.2733



28.9919, 0.4099, 0.3234

Square

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



28.9919, 0.2093, 0.2733



28.9919, 0.3031, 0.2525



28.9919, 0.4282, 0.3683



28.9919, 0.3137, 0.4252

Rectangle

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



28.9919, 0.2093, 0.2733



28.9919, 0.2386, 0.2383



28.9919, 0.4282, 0.3683



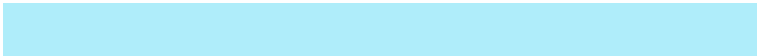
28.9919, 0.3858, 0.4278

Sweetspot

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



28.9929, 0.2093, 0.2733



76.5899, 0.2678, 0.3145



38.2583, 0.2959, 0.5851



15.9598, 0.2620, 0.3123



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



28.9929, 0.2093, 0.2733



51.5282, 0.2090, 0.2722



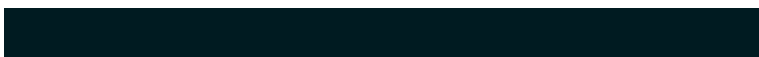
7.6036, 0.1634, 0.1080



11.1248, 0.2984, 0.3250



19.3579, 0.2094, 0.2739



0.9158, 0.2132, 0.2875

Inverse Universe

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



13.8897, 0.3697, 0.1811



24.8112, 0.3707, 0.1816



27.0068, 0.4931, 0.4464



10.2169, 0.3163, 0.3101



9.2364, 0.3691, 0.1807



0.4071, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 28.9919, 0.2093, 0.2733 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 28.9919, 0.2093, 0.2733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

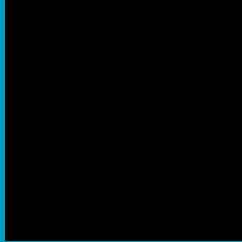
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9919, 0.2093, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 28.9919, 0.2093, 0.2733.

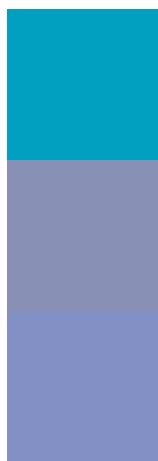


This preview shows how white text looks on a background with the Yxy color 28.9919, 0.2093, 0.2733.

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

28.9983, 0.2093, 0.2733

Protanopia

28.6423, 0.2720, 0.2711

Deuteranopia

28.8030, 0.2556, 0.2504



Tritanopia

28.9358, 0.2183, 0.3057

Trichromacy



Original Color

28.9983, 0.2093, 0.2733



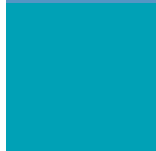
Protanomaly

27.3841, 0.2333, 0.2696



Deuteranomaly

27.6830, 0.2261, 0.2552



Tritanomaly

28.8671, 0.2145, 0.2923

Monochromacy



Original Color

28.9983, 0.2093, 0.2733



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.9720, 0.2460, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9919, 0.2093, 0.2733 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(1, 160, 193)` looks like.

```
.text, #text, p{  
    color:rgb(1, 160, 193)  
}
```

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(1, 160, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 160, 193) }
```

Border

The CSS property to change the border of an element to Yxy 28.9919, 0.2093, 0.2733 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(1, 160, 193) }
```

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

```
.border{ border-color:rgb(1, 160, 193) }
```

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

Here you see how a box with a 4 pixel rgb(1, 160, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 160, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 160, 193);  
box-shadow:4px 4px 4px 4px rgb(1, 160,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9919, 0.2093, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 160, 193) }
```

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

```
.background{ background-color: rgb(1, 160,  
193) }
```

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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