

Converting Colors

$Yxy(21.0439, 0.1784, 0.2751)$

Have a look what the booklet for
Yxy(21.0439, 0.1784, 0.2751)
contains.

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Color

Yxy(22.8868, 0.2106, 0.2783)

Conversions

Conversions Part 1

Format	Color
Hex	0090AB
RGB	0, 144, 171
RGB Percent	0%, 56%, 67%
CMY	1.0000, 0.4352, 0.3294
CMYK	1.00, 0.16, 0.00, 0.33
HSL	189°, 100%, 34%
HSV	189°, 100%, 67%
XYZ	17.3193, 22.8868, 42.0318
YIQ	104.0220, -94.4910, -22.1310

Conversions

Conversions Part 2

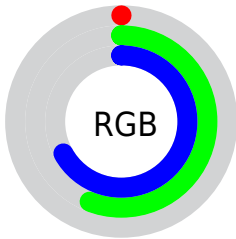
Format	Color
RYB	0, 78, 171
Decimal	37035
CIELab	54.96, -22.38, -23.29
CIELCh	55, 32.296, 226.143
Yxy	22.8868, 0.2106, 0.2783
Android (android.graphics.Color)	4278227115 (0xFF0090AB)
YUV	104.0220, 33.0202, -91.2273
Hunter-Lab	47.8402, -19.0989, -18.6034

Details

The Yxy color **22.8868, 0.2106, 0.2783** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **9.4410, 0.6240, 0.3428**, and the grayscale version is **13.7805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1545, 0.2313, 0.2906**, and **9.1606, 0.2055, 0.2599** is the 20% darker color. If you saturate the color by 10%, you get **22.8905, 0.2106, 0.2783**, and if you desaturate by 10%, it is **23.8380, 0.2140, 0.2838**.

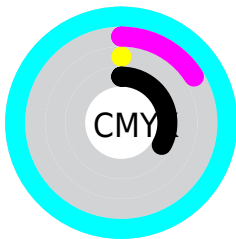
Distribution



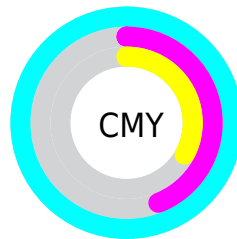
- Red (0%)
- Green (56%)
- Blue (67%)



- Red (0%)
- Yellow (31%)
- Blue (67%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8868, 0.2106, 0.2783 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 22.8868, 0.2106, 0.2783 by changing the saturation by 10% instead.

■ 22.8868, 0.2106,
0.2783

■ 22.8868, 0.2106,
0.2783

■ 267.1430, 0.2652,
0.3079

■ 14.5099, 0.1960,
0.2694

■ 48.2074, 0.2312,
0.2902

■ 8.4762, 0.1769,
0.2569

■ 65.9199, 0.2387,
0.2943

■ 4.4011, 0.1509,
0.2385

■ 87.5131, 0.2450,
0.2976

■ 1.9004, 0.1148,
0.2094

■ 113.3714, 0.2503,
0.3004

■ 0.5486, 0.0000,
0.1612

■ 143.8791, 0.2548,
0.3027

■ 0.0000, 0.0000,
0.0000

■ 179.4207, 0.2588,

0.3047

220.3805, 0.2622,
0.3064

■ 22.8868, 0.2106,
0.2783

■ 22.8868, 0.2106,
0.2783

■ 22.8905, 0.2106,
0.2783

■ 23.8380, 0.2140,
0.2838

■ 24.9085, 0.2187,
0.2894

■ 26.1435, 0.2254,
0.2949

■ 27.5621, 0.2339,
0.3005

■ 29.1804, 0.2441,
0.3059

■ 31.0126, 0.2558,
0.3111

■ 33.0717, 0.2689,
0.3161

■ 35.3694, 0.2829,
0.3207

■ 37.9165, 0.2976,
0.3250

Harmonies

Analogous

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



22.8868, 0.2271, 0.3294



22.8868, 0.2106, 0.2783



22.8868, 0.2179, 0.2476

Triad

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



22.8868, 0.2106, 0.2783



22.8868, 0.3556, 0.2791



22.8868, 0.3743, 0.4307

Complementary

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



22.8868, 0.2106, 0.2783



9.4410, 0.6240, 0.3428

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.



22.8868, 0.4144, 0.4045



22.8868, 0.2106, 0.2783



22.8868, 0.4049, 0.3188

Square

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



22.8868, 0.2106, 0.2783



22.8868, 0.2971, 0.2508



22.8868, 0.4268, 0.3633



22.8868, 0.3198, 0.4267

Rectangle

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



22.8868, 0.2106, 0.2783



22.8868, 0.2355, 0.2396



22.8868, 0.4268, 0.3633



22.8868, 0.3900, 0.4246

Sweetspot

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



22.8905, 0.2106, 0.2783



59.0246, 0.2682, 0.3158



29.1984, 0.2963, 0.5868



12.8168, 0.2627, 0.3138



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.8905, 0.2106, 0.2783



40.7381, 0.2104, 0.2774



6.1562, 0.1648, 0.1133



8.8536, 0.2986, 0.3253



17.3196, 0.2108, 0.2789



0.5386, 0.2154, 0.2955

Inverse Universe

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



10.6718, 0.3650, 0.1785



19.0869, 0.3659, 0.1789



20.0593, 0.4972, 0.4434



8.1260, 0.3161, 0.3101



8.0515, 0.3645, 0.1782



0.2297, 0.3494, 0.1698

Previews

White Background



This preview shows how the Yxy color 22.8868, 0.2106, 0.2783 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 22.8868, 0.2106, 0.2783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

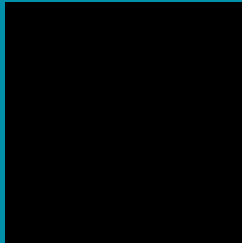
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

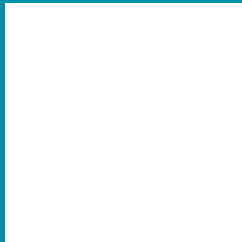
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.8868, 0.2106, 0.2783

Background



This preview shows how black text looks on a background with the Yxy color 22.8868, 0.2106, 0.2783.

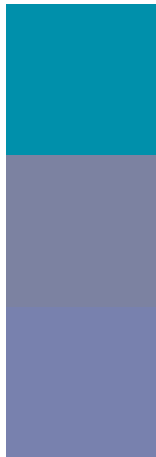


This preview shows how white text looks on a background with the Yxy color 22.8868, 0.2106, 0.2783.

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

22.8868, 0.2106, 0.2783

Protanopia

22.8236, 0.2756, 0.2767

Deuteranopia

22.7496, 0.2605, 0.2551



Tritanopia

22.9921, 0.2187, 0.3073

Trichromacy



Original Color

22.8868, 0.2106, 0.2783

Protanomaly

21.7068, 0.2359, 0.2741

Deuteranomaly

21.6038, 0.2285, 0.2592

Tritanomaly

22.8594, 0.2156, 0.2960

Monochromacy



Original Color

22.8868, 0.2106, 0.2783

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.9104, 0.2475, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8868, 0.2106, 0.2783 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, 144, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 171)  
}
```

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, 144, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 171) }
```

Border

The CSS property to change the border of an element to Yxy 22.8868, 0.2106, 0.2783 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, 144, 171) }
```

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

```
.border{ border-color:rgb(0, 144, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8868, 0.2106, 0.2783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 171) }
```

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

```
.background{ background-color: rgb(0, 144,  
171) }
```

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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