

Converting Colors

$Yxy(18.8725, 0.1341, 0.2685)$

Have a look what the booklet for
Yxy(18.8725, 0.1341, 0.2685)
contains.

Yxy(22.9251, 0.2102, 0.2766)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9251, 0.2102, 0.2766)

Conversions

Conversions Part 1

Format	Color
Hex	0090AC
RGB	0, 144, 172
RGB Percent	0%, 56%, 67%
CMY	0.9989, 0.4353, 0.3255
CMYK	1.00, 0.16, 0.00, 0.33
HSL	190°, 100%, 34%
HSV	190°, 100%, 67%
XYZ	17.4217, 22.9251, 42.5349
YIQ	104.1360, -94.8120, -21.8200

Conversions

Conversions Part 2

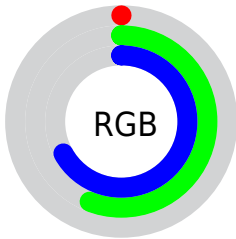
Format	Color
RYB	0, 78, 172
Decimal	37036
CIELab	55.00, -21.99, -23.80
CIElCh	55, 32.402, 227.262
Yxy	22.9251, 0.2102, 0.2766
Android (android.graphics.Color)	4278227116 (0xFF0090AC)
YUV	104.1360, 33.4570, -91.3273
Hunter-Lab	47.8802, -18.8410, -19.1549

Details

The Yxy color **22.9251, 0.2102, 0.2766** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **9.6150, 0.6228, 0.3434**, and the grayscale version is **13.8326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2095, 0.2309, 0.2893**, and **9.1848, 0.2049, 0.2577** is the 20% darker color. If you saturate the color by 10%, you get **22.9102, 0.2102, 0.2765**, and if you desaturate by 10%, it is **23.9079, 0.2136, 0.2823**.

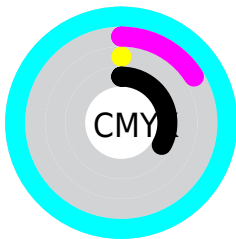
Distribution



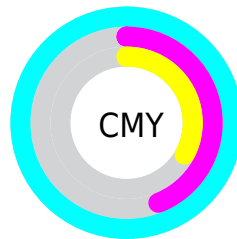
- Red (0%)
- Green (56%)
- Blue (67%)



- 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 22.9251, 0.2102, 0.2766 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 22.9251, 0.2102, 0.2766 by changing the saturation by 10% instead.

■ 22.9251, 0.2102,
0.2766

■ 22.9251, 0.2102,
0.2766

■ 267.3401, 0.2650,
0.3071

■ 14.5382, 0.1956,
0.2674

■ 48.2703, 0.2309,
0.2888

■ 8.4959, 0.1764,
0.2547

■ 65.9974, 0.2384,
0.2930

■ 4.4139, 0.1505,
0.2359

■ 87.6067, 0.2447,
0.2965

■ 1.9077, 0.1145,
0.2065

■ 113.4826, 0.2500,
0.2993

■ 0.5530, 0.0000,
0.1583

■ 144.0095, 0.2546,
0.3017

■ 0.0000, 0.0000,
0.0000

■ 179.5718, 0.2585,

0.3038

220.5538, 0.2620,
0.3055

■ 22.9251, 0.2102,
0.2766

■ 22.9251, 0.2102,
0.2766

■ 22.9102, 0.2102,
0.2765

■ 23.9079, 0.2136,
0.2823

■ 25.0175, 0.2185,
0.2881

■ 26.2955, 0.2252,
0.2938

■ 27.7612, 0.2338,
0.2996

■ 29.4309, 0.2441,
0.3052

■ 31.3191, 0.2559,
0.3106

■ 33.4389, 0.2690,
0.3157

■ 35.8021, 0.2831,
0.3205

■ 38.4199, 0.2978,
0.3250

Harmonies

Analogous

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



22.9251, 0.2259, 0.3272



22.9251, 0.2102, 0.2766



22.9251, 0.2184, 0.2467

Triad

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



22.9251, 0.2102, 0.2766



22.9251, 0.3578, 0.2803



22.9251, 0.3726, 0.4314

Complementary

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



22.9251, 0.2102, 0.2766



9.6150, 0.6228, 0.3434

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.



22.9251, 0.4136, 0.4060



22.9251, 0.2102, 0.2766



22.9251, 0.4066, 0.3204

Square

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



22.9251, 0.2102, 0.2766



22.9251, 0.2992, 0.2514



22.9251, 0.4272, 0.3650



22.9251, 0.3177, 0.4261

Rectangle

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



22.9251, 0.2102, 0.2766



22.9251, 0.2366, 0.2392



22.9251, 0.4272, 0.3650



22.9251, 0.3885, 0.4256

Sweetspot

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



22.9259, 0.2102, 0.2766



60.3810, 0.2681, 0.3154



29.5808, 0.2963, 0.5866



12.7732, 0.2626, 0.3133



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.



22.9259, 0.2102, 0.2766



41.2882, 0.2099, 0.2755



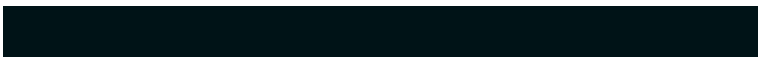
6.2522, 0.1649, 0.1135



8.8464, 0.2986, 0.3252



17.1170, 0.2103, 0.2771



0.5345, 0.2151, 0.2944

Inverse Universe

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



10.7900, 0.3666, 0.1794



19.5339, 0.3676, 0.1799



20.3367, 0.4970, 0.4434



8.1253, 0.3161, 0.3102



8.0310, 0.3662, 0.1791



0.2293, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 22.9251, 0.2102, 0.2766 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 22.9251, 0.2102, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

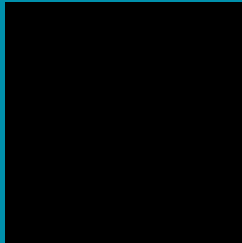
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9251, 0.2102, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 22.9251, 0.2102, 0.2766.

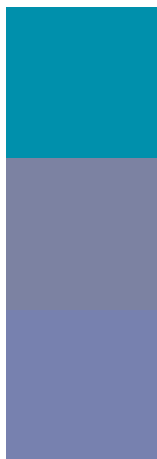


This preview shows how white text looks on a background with the Yxy color 22.9251, 0.2102, 0.2766.

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

22.9251, 0.2102, 0.2766

Protanopia

22.8590, 0.2747, 0.2752

Deuteranopia

22.7176, 0.2588, 0.2535



Tritanopia

22.9921, 0.2187, 0.3073

Trichromacy



Original Color

22.9251, 0.2102, 0.2766

Protanomaly

21.7434, 0.2352, 0.2725

Deuteranomaly

21.6427, 0.2279, 0.2576

Tritanomaly

22.8594, 0.2156, 0.2960

Monochromacy



Original Color

22.9251, 0.2102, 0.2766

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.9369, 0.2467, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9251, 0.2102, 0.2766 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 172) }
```

Border

The CSS property to change the border of an element to Yxy 22.9251, 0.2102, 0.2766 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, 172) }
```

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

```
.border{ border-color:rgb(0, 144, 172) }
```

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, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9251, 0.2102, 0.2766 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, 172) }
```

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

```
.background{ background-color: rgb(0, 144,  
172) }
```

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