

Converting Colors

$Yxy(21.0958, 0.2189, 0.3084)$

Have a look what the booklet for
Yxy(21.0958, 0.2189, 0.3084)
contains.

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Color

Yxy(20.9582, 0.2190, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	008C96
RGB	0, 140, 150
RGB Percent	0%, 55%, 59%
CMY	1.0000, 0.4510, 0.4117
CMYK	1.00, 0.07, 0.00, 0.41
HSL	184°, 100%, 29%
HSV	184°, 100%, 59%
XYZ	14.8828, 20.9582, 32.1169
YIQ	99.2800, -86.6500, -26.5700

Conversions

Conversions Part 2

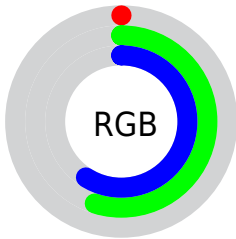
Format	Color
RYB	0, 72, 150
Decimal	35990
CIELab	52.90, -27.50, -14.33
CIELCh	53, 31.014, 207.528
Yxy	20.9582, 0.2190, 0.3084
Android (android.graphics.Color)	4278226070 (0xFF008C96)
YUV	99.2800, 25.0050, -87.0686
Hunter-Lab	45.7801, -22.0862, -9.5486

Details

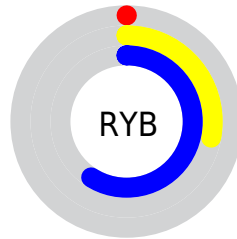
The Yxy color **20.9582, 0.2190, 0.3084** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.7016, 0.6339, 0.3349**, and the grayscale version is **12.5043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0179, 0.2389, 0.3143**, and **8.0456, 0.2164, 0.2989** is the 20% darker color. If you saturate the color by 10%, you get **20.9592, 0.2190, 0.3084**, and if you desaturate by 10%, it is **21.3545, 0.2215, 0.3106**.

Distribution



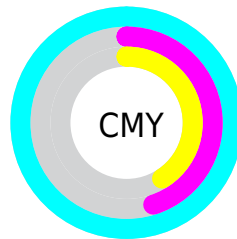
- Red (0%)
- Green (55%)
- Blue (59%)



- Red (0%)
- Yellow (28%)
- Blue (59%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (41%)




- Cyan (100%)
- Magenta (45%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9582, 0.2190, 0.3084 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 20.9582, 0.2190, 0.3084 by changing the saturation by 10% instead.


 20.9582, 0.2190,
0.3084


 20.9582, 0.2190,
0.3084


 257.0563, 0.2703,
0.3216

 13.0935, 0.2047,
0.3038


 45.0180, 0.2387,
0.3141

 7.4929, 0.1855,
0.2968


 61.9818, 0.2458,
0.3159


 3.7722, 0.1586,
0.2856

 82.7474, 0.2517,
0.3174

 1.5470, 0.1177,
0.2654

 107.6992, 0.2566,
0.3186

 0.3215, 0.0000,
0.1860

 137.2216, 0.2608,
0.3195

 0.0000, 0.0000,
0.0000

 171.6989, 0.2644,

0.3203

211.5157, 0.2676,
0.3210

■ 20.9582, 0.2190,
0.3084

■ 20.9582, 0.2190,
0.3084

■ 20.9592, 0.2190,
0.3084

■ 21.3545, 0.2215,
0.3106

■ 21.8253, 0.2252,
0.3128

■ 22.4061, 0.2307,
0.3150

■ 23.1106, 0.2380,
0.3172

■ 23.9502, 0.2472,
0.3194

■ 24.9351, 0.2579,
0.3215

■ 26.0745, 0.2701,
0.3236

■ 27.3768, 0.2835,
0.3255

■ 28.8499, 0.2978,
0.3273

Harmonies

Analogous

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



20.9582, 0.2497, 0.3656



20.9582, 0.2190, 0.3084



20.9582, 0.2116, 0.2647

Triad

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



20.9582, 0.2190, 0.3084



20.9582, 0.3190, 0.2605



20.9582, 0.4009, 0.4161

Complementary

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



20.9582, 0.2190, 0.3084



6.7016, 0.6339, 0.3349

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.



20.9582, 0.4247, 0.3794



20.9582, 0.2190, 0.3084



20.9582, 0.3758, 0.2936

Square

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



20.9582, 0.2190, 0.3084



20.9582, 0.2652, 0.2422



20.9582, 0.4160, 0.3356



20.9582, 0.3542, 0.4322

Rectangle

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



20.9582, 0.2190, 0.3084



20.9582, 0.2197, 0.2476



20.9582, 0.4160, 0.3356



20.9582, 0.4120, 0.4054

Sweetspot

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



20.9592, 0.2190, 0.3084



45.8856, 0.2694, 0.3235



21.8363, 0.2985, 0.5946



9.9937, 0.2646, 0.3227



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.9592, 0.2190, 0.3084



36.8841, 0.2189, 0.3080



5.9830, 0.1720, 0.1391



6.4967, 0.2990, 0.3275



17.4002, 0.2191, 0.3086



0.2290, 0.2221, 0.3194

Inverse Universe

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



8.3781, 0.3381, 0.1636



14.7741, 0.3384, 0.1638



12.9820, 0.5193, 0.4259



5.9026, 0.3147, 0.3086



6.9499, 0.3379, 0.1635



0.0867, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 20.9582, 0.2190, 0.3084 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 20.9582, 0.2190, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

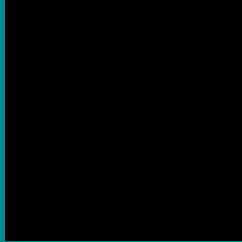
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9582, 0.2190, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 20.9582, 0.2190, 0.3084.

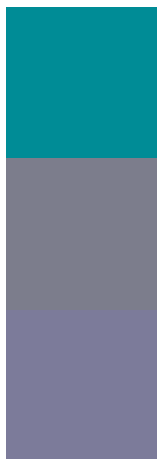


This preview shows how white text looks on a background with the Yxy color 20.9582, 0.2190, 0.3084.

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

20.9582, 0.2190, 0.3084

Protanopia

20.8458, 0.2954, 0.3022

Deuteranopia

20.7841, 0.2813, 0.2754



Tritanopia

21.0551, 0.2197, 0.3065

Trichromacy



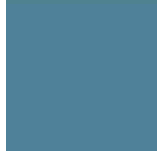
Original Color

20.9582, 0.2190, 0.3084



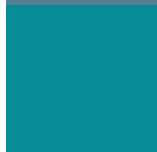
Protanomaly

19.6411, 0.2491, 0.3012



Deuteranomaly

19.6627, 0.2420, 0.2828



Tritanomaly

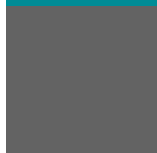
21.0293, 0.2192, 0.3065

Monochromacy



Original Color

20.9582, 0.2190, 0.3084



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.3994, 0.2516, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9582, 0.2190, 0.3084 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, 140, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 150)  
}
```

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, 140, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 150) }
```

Border

The CSS property to change the border of an element to Yxy 20.9582, 0.2190, 0.3084 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, 140, 150) }
```

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

```
.border{ border-color:rgb(0, 140, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9582, 0.2190, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 150) }
```

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

```
.background{ background-color: rgb(0, 140,  
150) }
```

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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