

Converting Colors

$Yxy(21.3080, 0.2149, 0.2935)$

Have a look what the booklet for
Yxy(21.3080, 0.2149, 0.2935)
contains.

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Color

Yxy(21.2248, 0.2148, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	008C9E
RGB	0, 140, 158
RGB Percent	0%, 55%, 62%
CMY	0.9994, 0.4510, 0.3805
CMYK	1.00, 0.11, 0.00, 0.38
HSL	187°, 100%, 31%
HSV	187°, 100%, 62%
XYZ	15.5494, 21.2248, 35.6160
YIQ	100.1920, -89.2180, -24.0820

Conversions

Conversions Part 2

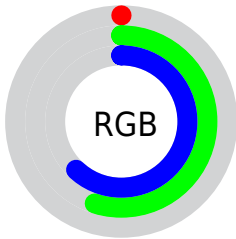
Format	Color
RYB	0, 74, 158
Decimal	35998
CIELab	53.19, -24.79, -18.50
CIELCh	53, 30.935, 216.733
Yxy	21.2248, 0.2148, 0.2932
Android (android.graphics.Color)	4278226078 (0xFF008C9E)
YUV	100.1920, 28.4993, -87.8684
Hunter-Lab	46.0704, -20.3769, -13.5865

Details

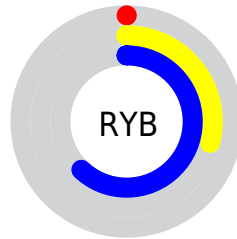
The Yxy color **21.2248, 0.2148, 0.2932** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.7043, 0.6291, 0.3385**, and the grayscale version is **12.7501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5115, 0.2349, 0.3018**, and **8.2063, 0.2104, 0.2773** is the 20% darker color. If you saturate the color by 10%, you get **21.2196, 0.2148, 0.2932**, and if you desaturate by 10%, it is **21.8646, 0.2177, 0.2971**.

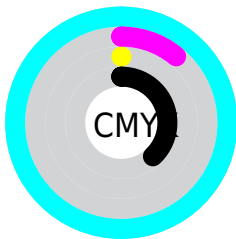
Distribution



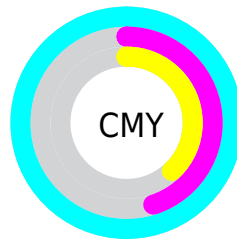
- Red (0%)
- Green (55%)
- Blue (62%)



- Red (0%)
- Yellow (29%)
- Blue (62%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (38%)




- Cyan (100%)
- Magenta (45%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2248, 0.2148, 0.2932 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 21.2248, 0.2148, 0.2932 by changing the saturation by 10% instead.


 21.2248, 0.2148,
0.2932


 21.2248, 0.2148,
0.2932


 258.4708, 0.2680,
0.3149


 13.2884, 0.2002,
0.2862


 45.4614, 0.2352,
0.3022

 7.6275, 0.1807,
0.2760


 62.5303, 0.2425,
0.3052


 3.8575, 0.1537,
0.2604

 83.4123, 0.2486,
0.3076

 1.5942, 0.1149,
0.2339

 108.4917, 0.2537,
0.3096

 0.3537, 0.0000,
0.1591

 138.1528, 0.2581,
0.3113

 0.0000, 0.0000,
0.0000

 172.7801, 0.2619,

0.3127

212.7579, 0.2652,
0.3139

■ 21.2248, 0.2148,
0.2932

■ 21.2248, 0.2148,
0.2932

■ 21.2196, 0.2148,
0.2932

■ 21.8646, 0.2177,
0.2971

■ 22.5968, 0.2220,
0.3009

■ 23.4587, 0.2281,
0.3048

■ 24.4657, 0.2361,
0.3087

■ 25.6310, 0.2457,
0.3125

■ 26.9662, 0.2570,
0.3162

■ 28.4818, 0.2697,
0.3198

■ 30.1873, 0.2834,
0.3231

■ 32.0917, 0.2979,
0.3262

Harmonies

Analogous

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



21.2248, 0.2384, 0.3476



21.2248, 0.2148, 0.2932



21.2248, 0.2147, 0.2561

Triad

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



21.2248, 0.2148, 0.2932



21.2248, 0.3368, 0.2697



21.2248, 0.3879, 0.4234

Complementary

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



21.2248, 0.2148, 0.2932



7.7043, 0.6291, 0.3385

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.



21.2248, 0.4199, 0.3916



21.2248, 0.2148, 0.2932



21.2248, 0.3903, 0.3060

Square

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



21.2248, 0.2148, 0.2932



21.2248, 0.2806, 0.2465



21.2248, 0.4216, 0.3491



21.2248, 0.3373, 0.4300

Rectangle

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



21.2248, 0.2148, 0.2932



21.2248, 0.2274, 0.2435



21.2248, 0.4216, 0.3491



21.2248, 0.4013, 0.4148

Sweetspot

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



21.2256, 0.2148, 0.2932



51.5384, 0.2688, 0.3195



24.4854, 0.2978, 0.5919



11.3657, 0.2636, 0.3181



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.2256, 0.2148, 0.2932



38.3586, 0.2146, 0.2924



6.0553, 0.1691, 0.1285



7.3804, 0.2988, 0.3264



17.0355, 0.2149, 0.2935



0.3376, 0.2192, 0.3089

Inverse Universe

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



9.1639, 0.3515, 0.1710



16.6204, 0.3521, 0.1714



15.4246, 0.5102, 0.4330



6.7416, 0.3154, 0.3094



7.3420, 0.3512, 0.1708



0.1346, 0.3376, 0.1634

Previews

White Background



This preview shows how the Yxy color 21.2248, 0.2148, 0.2932 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 21.2248, 0.2148, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

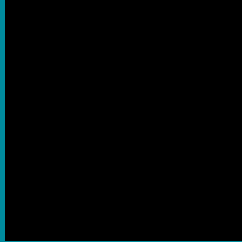
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2248, 0.2148, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 21.2248, 0.2148, 0.2932.

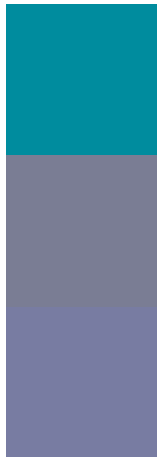


This preview shows how white text looks on a background with the Yxy color 21.2248, 0.2148, 0.2932.

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

21.2248, 0.2148, 0.2932

Protanopia

20.9429, 0.2851, 0.2884

Deuteranopia

21.0170, 0.2698, 0.2640



Tritanopia

21.3168, 0.2185, 0.3066

Trichromacy



Original Color

21.2248, 0.2148, 0.2932

Protanomaly

19.8520, 0.2423, 0.2865

Deuteranomaly

20.0750, 0.2346, 0.2707

Tritanomaly

21.3828, 0.2174, 0.3027

Monochromacy



Original Color

21.2248, 0.2148, 0.2932

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.7319, 0.2502, 0.3152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2248, 0.2148, 0.2932 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, 158)` looks like.

```
.text, #text, p{  
  color:rgb(0, 140, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 158) }
```

Border

The CSS property to change the border of an element to Yxy 21.2248, 0.2148, 0.2932 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, 158) }
```

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

```
.border{ border-color:rgb(0, 140, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2248, 0.2148, 0.2932 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, 158) }
```

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

```
.background{ background-color: rgb(0, 140,  
158) }
```

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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