

Converting Colors

$Yxy(21.8957, 0.2151, 0.2942)$

Have a look what the booklet for
Yxy(21.8957, 0.2151, 0.2942)
contains.

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Color

Yxy(21.8841, 0.2149, 0.2936)

Conversions

Conversions Part 1

Format	Color
Hex	008EAO
RGB	0, 142, 160
RGB Percent	0%, 56%, 63%
CMY	0.9998, 0.4431, 0.3726
CMYK	1.00, 0.11, 0.00, 0.37
HSL	187°, 100%, 31%
HSV	187°, 100%, 63%
XYZ	16.0180, 21.8841, 36.6350
YIQ	101.5940, -90.4100, -24.5060

Conversions

Conversions Part 2

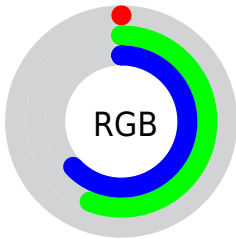
Format	Color
RYB	0, 75, 160
Decimal	36512
CIELab	53.90, -25.13, -18.58
CIELCh	54, 31.252, 216.480
Yxy	21.8841, 0.2149, 0.2936
Android (android.graphics.Color)	4278226592 (0xFF008EA0)
YUV	101.5940, 28.7942, -89.0979
Hunter-Lab	46.7804, -20.7458, -13.6852

Details

The Yxy color **21.8841, 0.2149, 0.2936** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.9073, 0.6295, 0.3383**, and the grayscale version is **13.1215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5598, 0.2350, 0.3020**, and **8.5649, 0.2113, 0.2807** is the 20% darker color. If you saturate the color by 10%, you get **21.8828, 0.2149, 0.2936**, and if you desaturate by 10%, it is **22.5351, 0.2178, 0.2974**.

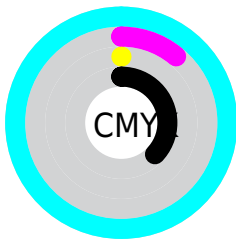
Distribution



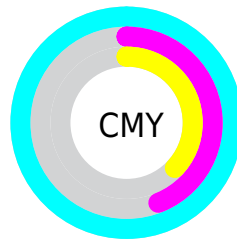
- Red (0%)
- Green (56%)
- Blue (63%)



- Red (0%)
- Yellow (29%)
- Blue (63%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (37%)





- Cyan (100%)
- Magenta (44%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8841, 0.2149, 0.2936 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 21.8841, 0.2149, 0.2936 by changing the saturation by 10% instead.


 21.8841, 0.2149,
0.2936


 21.8841, 0.2149,
0.2936

261.9404, 0.2678,
0.3150


 13.7718, 0.2005,
0.2867


 46.5544, 0.2351,
0.3024

 7.9621, 0.1813,
0.2768


 63.8811, 0.2424,
0.3054


 4.0707, 0.1548,
0.2616

 85.0480, 0.2484,
0.3078

 1.7132, 0.1170,
0.2360

 110.4397, 0.2535,
0.3098

 0.4322, 0.0000,
0.1766

 140.4403, 0.2579,
0.3114

 0.0000, 0.0000,
0.0000

 175.4344, 0.2617,

0.3128

215.8063, 0.2650,
0.3140

■ 21.8841, 0.2149,
0.2936

■ 21.8841, 0.2149,
0.2936

■ 21.8828, 0.2149,
0.2936

■ 22.5351, 0.2178,
0.2974

■ 23.2811, 0.2220,
0.3012

■ 24.1602, 0.2281,
0.3051

■ 25.1884, 0.2360,
0.3089

■ 26.3793, 0.2457,
0.3127

■ 27.7449, 0.2569,
0.3164

■ 29.2961, 0.2695,
0.3198

■ 31.0427, 0.2832,
0.3231

■ 32.9940, 0.2977,
0.3262

Harmonies

Analogous

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



21.8841, 0.2387, 0.3481



21.8841, 0.2149, 0.2936



21.8841, 0.2146, 0.2563

Triad

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



21.8841, 0.2149, 0.2936



21.8841, 0.3363, 0.2694



21.8841, 0.3883, 0.4232

Complementary

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



21.8841, 0.2149, 0.2936



7.9073, 0.6295, 0.3383

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.



21.8841, 0.4200, 0.3913



21.8841, 0.2149, 0.2936



21.8841, 0.3899, 0.3057

Square

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



21.8841, 0.2149, 0.2936



21.8841, 0.2802, 0.2464



21.8841, 0.4215, 0.3487



21.8841, 0.3377, 0.4301

Rectangle

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



21.8841, 0.2149, 0.2936



21.8841, 0.2272, 0.2436



21.8841, 0.4215, 0.3487



21.8841, 0.4016, 0.4146

Sweetspot

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



21.8849, 0.2149, 0.2936



53.0146, 0.2687, 0.3196



25.1779, 0.2978, 0.5920



11.3759, 0.2636, 0.3183



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.



21.8849, 0.2149, 0.2936



39.5481, 0.2147, 0.2929



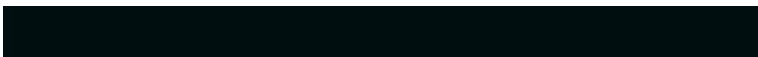
6.2083, 0.1690, 0.1282



7.3820, 0.2988, 0.3264



17.0876, 0.2150, 0.2939



0.3382, 0.2192, 0.3092

Inverse Universe

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



9.4273, 0.3511, 0.1708



17.0971, 0.3517, 0.1711



15.8423, 0.5104, 0.4329



6.7417, 0.3154, 0.3094



7.3472, 0.3508, 0.1706



0.1347, 0.3374, 0.1632

Previews

White Background



This preview shows how the Yxy color 21.8841, 0.2149, 0.2936 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 21.8841, 0.2149, 0.2936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

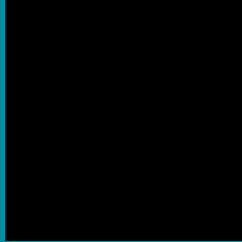
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8841, 0.2149, 0.2936

Background



This preview shows how black text looks on a background with the Yxy color 21.8841, 0.2149, 0.2936.

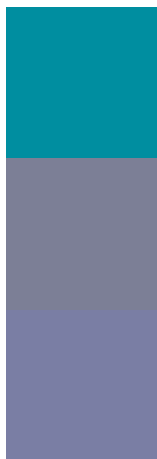


This preview shows how white text looks on a background with the Yxy color 21.8841, 0.2149, 0.2936.

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

21.8841, 0.2149, 0.2936

Protanopia

21.6658, 0.2855, 0.2890

Deuteranopia

21.7396, 0.2703, 0.2649



Tritanopia

21.9780, 0.2186, 0.3069

Trichromacy



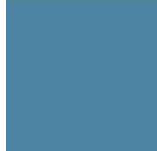
Original Color

21.8841, 0.2149, 0.2936



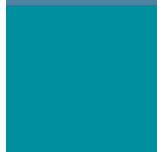
Protanomaly

20.4979, 0.2423, 0.2870



Deuteranomaly

20.7666, 0.2354, 0.2715



Tritanomaly

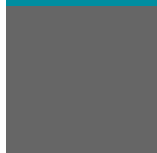
22.0452, 0.2175, 0.3031

Monochromacy



Original Color

21.8841, 0.2149, 0.2936



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.2765, 0.2501, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8841, 0.2149, 0.2936 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, 142, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 160)  
}
```

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, 142, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 160) }
```

Border

The CSS property to change the border of an element to Yxy 21.8841, 0.2149, 0.2936 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, 142, 160) }
```

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

```
.border{ border-color:rgb(0, 142, 160) }
```

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

Here you see how a box with a 4 pixel rgb(0, 142, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8841, 0.2149, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 160) }
```

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

```
.background{ background-color: rgb(0, 142,  
160) }
```

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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