

Converting Colors

$Yxy(18.0342, 0.1352, 0.2730)$

Have a look what the booklet for
Yxy(18.0342, 0.1352, 0.2730)
contains.

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Color

Yxy(21.8029, 0.2114, 0.2809)

Conversions

Conversions Part 1

Format	Color
Hex	008DA6
RGB	0, 141, 166
RGB Percent	0%, 55%, 65%
CMY	0.9988, 0.4471, 0.3491
CMYK	1.00, 0.15, 0.00, 0.35
HSL	189°, 100%, 33%
HSV	189°, 100%, 65%
XYZ	16.4084, 21.8029, 39.4067
YIQ	101.6910, -92.0610, -22.1170

Conversions

Conversions Part 2

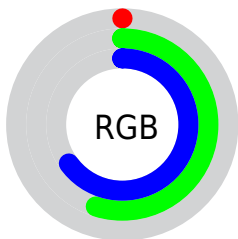
Format	Color
RYB	0, 76, 166
Decimal	36262
CIELab	53.82, -22.53, -22.15
CIELCh	54, 31.597, 224.517
Yxy	21.8029, 0.2114, 0.2809
Android (android.graphics.Color)	4278226342 (0xFF008DA6)
YUV	101.6910, 31.7043, -89.1830
Hunter-Lab	46.6936, -18.9876, -17.3518

Details

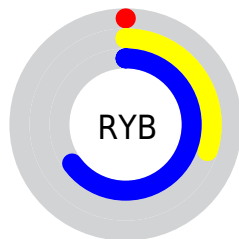
The Yxy color **21.8029, 0.2114, 0.2809** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.8126, 0.6243, 0.3422**, and the grayscale version is **13.1612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4748, 0.2323, 0.2927**, and **8.5272, 0.2064, 0.2629** is the 20% darker color. If you saturate the color by 10%, you get **21.7875, 0.2113, 0.2808**, and if you desaturate by 10%, it is **22.6663, 0.2147, 0.2861**.

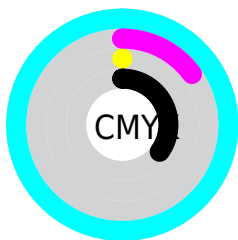
Distribution



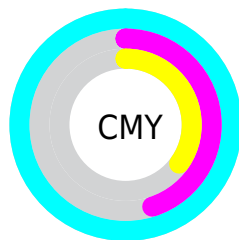
- Red (0%)
- Green (55%)
- Blue (65%)



- Red (0%)
- Yellow (30%)
- Blue (65%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (45%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8029, 0.2114, 0.2809 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 21.8029, 0.2114, 0.2809 by changing the saturation by 10% instead.

21.8029, 0.2114,
0.2809

21.8029, 0.2114,
0.2809

261.5152, 0.2660,
0.3093

13.7121, 0.1966,
0.2722

46.4200, 0.2322,
0.2924

7.9207, 0.1771,
0.2598

63.7152, 0.2397,
0.2963

4.0443, 0.1504,
0.2414

84.8472, 0.2459,
0.2995

1.6984, 0.1129,
0.2117

110.2006, 0.2512,
0.3022

0.4226, 0.0000,
0.1481

140.1597, 0.2557,
0.3044

0.0000, 0.0000,
0.0000

175.1089, 0.2596,

0.3063

215.4326, 0.2631,
0.3079

■ 21.8029, 0.2114,
0.2809

■ 21.8029, 0.2114,
0.2809

■ 21.7875, 0.2113,
0.2808

■ 22.6663, 0.2147,
0.2861

■ 23.6428, 0.2194,
0.2914

■ 24.7719, 0.2260,
0.2967

■ 26.0709, 0.2344,
0.3019

■ 27.5548, 0.2446,
0.3071

■ 29.2369, 0.2563,
0.3120

■ 31.1291, 0.2693,
0.3168

■ 33.2421, 0.2833,
0.3212

■ 35.5862, 0.2979,
0.3253

Harmonies

Analogous

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



21.8029, 0.2291, 0.3325



21.8029, 0.2114, 0.2809



21.8029, 0.2174, 0.2491

Triad

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



21.8029, 0.2114, 0.2809



21.8029, 0.3522, 0.2775



21.8029, 0.3767, 0.4293

Complementary

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



21.8029, 0.2114, 0.2809



8.8126, 0.6243, 0.3422

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.



21.8029, 0.4153, 0.4022



21.8029, 0.2114, 0.2809



21.8029, 0.4023, 0.3166

Square

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



21.8029, 0.2114, 0.2809



21.8029, 0.2942, 0.2501



21.8029, 0.4258, 0.3608



21.8029, 0.3229, 0.4273

Rectangle

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



21.8029, 0.2114, 0.2809



21.8029, 0.2341, 0.2403



21.8029, 0.4258, 0.3608



21.8029, 0.3919, 0.4228

Sweetspot

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



21.8037, 0.2114, 0.2809



56.2455, 0.2683, 0.3164



27.3357, 0.2962, 0.5863



12.2669, 0.2629, 0.3145



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



21.8037, 0.2114, 0.2809



39.3079, 0.2111, 0.2799



5.8104, 0.1651, 0.1140



8.3365, 0.2987, 0.3255



16.9552, 0.2115, 0.2813



0.4630, 0.2163, 0.2986

Inverse Universe

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



10.0340, 0.3626, 0.1772



18.1772, 0.3636, 0.1777



18.8286, 0.4967, 0.4436



7.6469, 0.3159, 0.3100



7.7827, 0.3623, 0.1769



0.1944, 0.3467, 0.1683

Previews

White Background



This preview shows how the Yxy color 21.8029, 0.2114, 0.2809 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 21.8029, 0.2114, 0.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

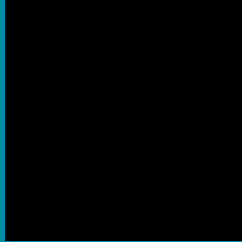
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8029, 0.2114, 0.2809

Background



This preview shows how black text looks on a background with the Yxy color 21.8029, 0.2114, 0.2809.

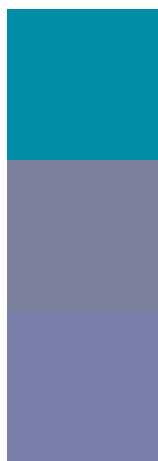


This preview shows how white text looks on a background with the Yxy color 21.8029, 0.2114, 0.2809.

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

21.8029, 0.2114, 0.2809

Protanopia

21.7166, 0.2777, 0.2790

Deuteranopia

21.6378, 0.2621, 0.2567



Tritanopia

21.6791, 0.2180, 0.3048

Trichromacy



Original Color

21.8029, 0.2114, 0.2809

Protanomaly

20.6603, 0.2374, 0.2765

Deuteranomaly

20.5556, 0.2298, 0.2612

Tritanomaly

21.8146, 0.2159, 0.2973

Monochromacy



Original Color

21.8029, 0.2114, 0.2809

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

15.0953, 0.2480, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8029, 0.2114, 0.2809 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, 141, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 166)  
}
```

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, 141, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 166) }
```

Border

The CSS property to change the border of an element to Yxy 21.8029, 0.2114, 0.2809 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, 141, 166) }
```

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

```
.border{ border-color:rgb(0, 141, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 141, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8029, 0.2114, 0.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 166) }
```

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

```
.background{ background-color: rgb(0, 141,  
166) }
```

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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