

Converting Colors

$Yxy(22.2107, 0.2123, 0.2841)$

Have a look what the booklet for
Yxy(22.2107, 0.2123, 0.2841)
contains.

Yxy(22.0992, 0.2119, 0.2829)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(22.0992, 0.2119, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	008EA6
RGB	0, 142, 166
RGB Percent	0%, 56%, 65%
CMY	1.0000, 0.4431, 0.3491
CMYK	1.00, 0.14, 0.00, 0.35
HSL	189°, 100%, 33%
HSV	189°, 100%, 65%
XYZ	16.5529, 22.0992, 39.4645
YIQ	102.2780, -92.3360, -22.6400

Conversions

Conversions Part 2

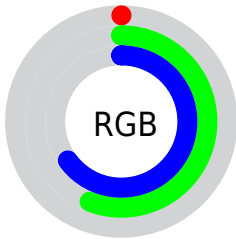
Format	Color
RYB	0, 77, 166
Decimal	36518
CIELab	54.13, -23.07, -21.68
CIELCh	54, 31.660, 223.219
Yxy	22.0992, 0.2119, 0.2829
Android (android.graphics.Color)	4278226598 (0xFF008EA6)
YUV	102.2780, 31.4149, -89.6978
Hunter-Lab	47.0098, -19.4143, -16.8669

Details

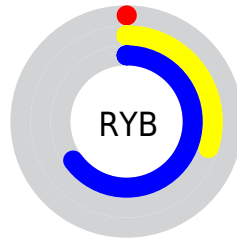
The Yxy color **22.0992, 0.2119, 0.2829** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.7585, 0.6257, 0.3414**, and the grayscale version is **13.2989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9245, 0.2326, 0.2941**, and **8.6971, 0.2072, 0.2658** is the 20% darker color. If you saturate the color by 10%, you get **22.1014, 0.2119, 0.2829**, and if you desaturate by 10%, it is **22.9383, 0.2151, 0.2879**.

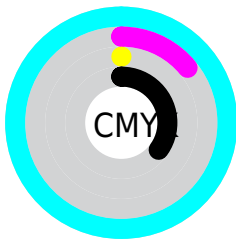
Distribution



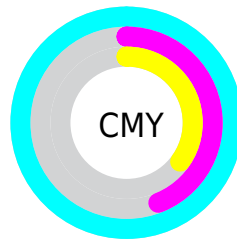
- Red (0%)
- Green (56%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (35%)





- Cyan (100%)
- Magenta (44%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0992, 0.2119, 0.2829 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 22.0992, 0.2119, 0.2829 by changing the saturation by 10% instead.


 22.0992, 0.2119,
0.2829


 22.0992, 0.2119,
0.2829


 263.0639, 0.2662,
0.3101


 13.9298, 0.1972,
0.2745


 46.9099, 0.2325,
0.2939


 8.0719, 0.1779,
0.2626


 64.3200, 0.2400,
0.2977


 4.1410, 0.1514,
0.2448

 85.5791, 0.2462,
0.3008

 1.7527, 0.1142,
0.2160

 111.0717, 0.2515,
0.3033

 0.4574, 0.0000,
0.1578

 141.1820, 0.2559,
0.3054

 0.0000, 0.0000,
0.0000

 176.2946, 0.2598,

0.3072

216.7937, 0.2632,
0.3088

■ 22.0992, 0.2119,
0.2829

■ 22.0992, 0.2119,
0.2829

■ 22.1014, 0.2119,
0.2829

■ 22.9383, 0.2151,
0.2879

■ 23.8863, 0.2197,
0.2929

■ 24.9850, 0.2262,
0.2980

■ 26.2522, 0.2345,
0.3030

■ 27.7027, 0.2446,
0.3079

■ 29.3497, 0.2562,
0.3127

■ 31.2052, 0.2691,
0.3172

■ 33.2801, 0.2830,
0.3214

■ 35.5845, 0.2976,
0.3254

Harmonies

Analogous

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



22.0992, 0.2306, 0.3350



22.0992, 0.2119, 0.2829



22.0992, 0.2169, 0.2502

Triad

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



22.0992, 0.2119, 0.2829



22.0992, 0.3496, 0.2762



22.0992, 0.3786, 0.4284

Complementary

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



22.0992, 0.2119, 0.2829



8.7585, 0.6257, 0.3414

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.



22.0992, 0.4162, 0.4004



22.0992, 0.2119, 0.2829



22.0992, 0.4004, 0.3148

Square

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



22.0992, 0.2119, 0.2829



22.0992, 0.2919, 0.2495



22.0992, 0.4252, 0.3588



22.0992, 0.3253, 0.4279

Rectangle

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



22.0992, 0.2119, 0.2829



22.0992, 0.2329, 0.2408



22.0992, 0.4252, 0.3588



22.0992, 0.3936, 0.4215

Sweetspot

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



22.1014, 0.2119, 0.2829



56.4437, 0.2683, 0.3170



27.3274, 0.2969, 0.5887



12.3168, 0.2630, 0.3151



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.



22.1014, 0.2119, 0.2829



39.8767, 0.2117, 0.2820



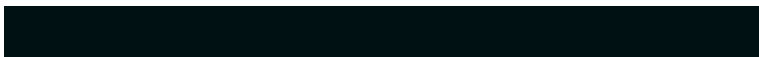
6.0757, 0.1662, 0.1182



8.3446, 0.2987, 0.3257



17.1930, 0.2121, 0.2834



0.4670, 0.2166, 0.2999

Inverse Universe

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



10.0592, 0.3608, 0.1761



18.2346, 0.3616, 0.1766



18.2351, 0.5016, 0.4400



7.6477, 0.3159, 0.3099



7.8067, 0.3604, 0.1759



0.1949, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 22.0992, 0.2119, 0.2829 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 22.0992, 0.2119, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

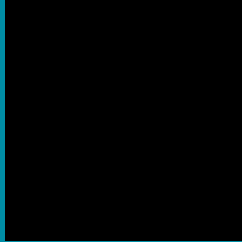
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.0992, 0.2119, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 22.0992, 0.2119, 0.2829.

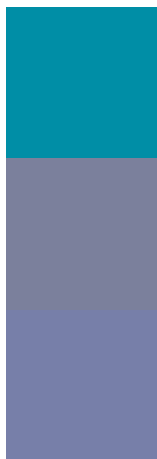


This preview shows how white text looks on a background with the Yxy color 22.0992, 0.2119, 0.2829.

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

22.0992, 0.2119, 0.2829

Protanopia

22.0496, 0.2789, 0.2809

Deuteranopia

21.9653, 0.2633, 0.2587

Trichromacy



Original Color

22.0992, 0.2119, 0.2829

Protanomaly

20.9328, 0.2378, 0.2785

Deuteranomaly

20.8662, 0.2308, 0.2632

Monochromacy



Original Color

22.0992, 0.2119, 0.2829

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

15.3271, 0.2484, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0992, 0.2119, 0.2829 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 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, 142, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 166) }
```

Border

The CSS property to change the border of an element to Yxy 22.0992, 0.2119, 0.2829 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, 166) }
```

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

```
.border{ border-color:rgb(0, 142, 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, 142, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
166) }
```

Background

The CSS property to change the background color of an element to Yxy 22.0992, 0.2119, 0.2829 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, 166) }
```

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

```
.background{ background-color: rgb(0, 142,  
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](#).

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