

Converting Colors

$Y_{xy}(21.8746, 0.2285, 0.3071)$

Have a look what the booklet for
Yxy(21.8746, 0.2285, 0.3071)
contains.

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Color

$\text{Yxy}(21.8746, 0.2285, 0.3071)$

Conversions

Conversions Part 1

Format	Color
Hex	2D8D98
RGB	45, 141, 152
RGB Percent	18%, 55%, 60%
CMY	0.8235, 0.4471, 0.4038
CMYK	0.70, 0.07, 0.00, 0.40
HSL	186°, 54%, 39%
HSV	186°, 70%, 60%
XYZ	16.2760, 21.8746, 33.0790
YIQ	113.5500, -60.7470, -16.9310

Conversions

Conversions Part 2

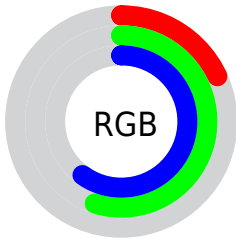
Format	Color
RYB	45, 96, 152
Decimal	2985368
CIELab	53.89, -23.61, -13.94
CIElCh	54, 27.421, 210.565
Yxy	21.8746, 0.2285, 0.3071
Android (android.graphics.Color)	4281175448 (0xFF2D8D98)
YUV	113.5500, 18.9559, -60.1183
Hunter-Lab	46.7703, -19.7304, -9.1946

Details

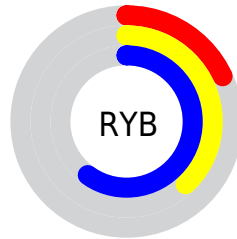
The Yxy color **21.8746, 0.2285, 0.3071** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.6983, 0.5279, 0.3450**, and the grayscale version is **16.6429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5506, 0.2463, 0.3133**, and **8.2519, 0.2157, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **21.1319, 0.2226, 0.3036**, and if you desaturate by 10%, it is **22.7496, 0.2362, 0.3106**.

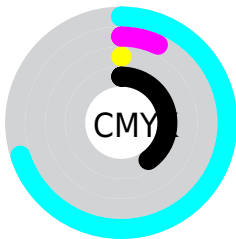
Distribution



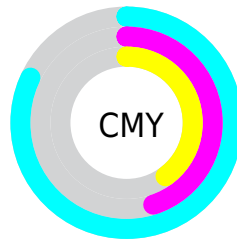
- Red (18%)
- Green (55%)
- Blue (60%)



- Red (18%)
- Yellow (38%)
- Blue (60%)



- Cyan (70%)
- Magenta (7%)
- Yellow (0%)
- Black (40%)



- Cyan (82%)
- Magenta (45%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8746, 0.2285, 0.3071 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 21.8746, 0.2285, 0.3071 by changing the saturation by 10% instead.

21.8746, 0.2285,
0.3071

21.8746, 0.2285,
0.3071

261.8907, 0.2745,
0.3207

13.7648, 0.2157,
0.3026

46.5387, 0.2462,
0.3128

7.9573, 0.1984,
0.2959

63.8617, 0.2525,
0.3147

4.0676, 0.1741,
0.2853

85.0246, 0.2578,
0.3162

1.7115, 0.1381,
0.2666

110.4117, 0.2622,
0.3174

0.4311, 0.0000,
0.2200

140.4075, 0.2660,
0.3184

0.0000, 0.0000,
0.0000

175.3963, 0.2692,

0.3193

215.7626, 0.2720,
0.3200

■ 21.8746, 0.2285,
0.3071

■ 21.8746, 0.2285,
0.3071

■ 21.1319, 0.2226,
0.3036

■ 22.7496, 0.2362,
0.3106

■ 20.5051, 0.2185,
0.3001

■ 23.7665, 0.2457,
0.3140

■ 19.9787, 0.2158,
0.2968

■ 24.9368, 0.2568,
0.3173

■ 26.2699, 0.2692,
0.3205

■ 27.7747, 0.2828,
0.3235

■ 29.4592, 0.2972,
0.3263

■ 31.3311, 0.3121,
0.3289

■ 33.3975, 0.3273,
0.3312

■ 35.6650, 0.3426,
0.3334

Harmonies

Analogous

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



21.8746, 0.2540, 0.3559



21.8746, 0.2285, 0.3071



21.8746, 0.2238, 0.2702

Triad

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



21.8746, 0.2285, 0.3071



21.8746, 0.3237, 0.2709



21.8746, 0.3869, 0.4082

Complementary

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



21.8746, 0.2285, 0.3071



9.6983, 0.5279, 0.3450

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.



21.8746, 0.4097, 0.3781



21.8746, 0.2285, 0.3071



21.8746, 0.3722, 0.3016

Square

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



21.8746, 0.2285, 0.3071



21.8746, 0.2755, 0.2531



21.8746, 0.4047, 0.3396



21.8746, 0.3449, 0.4183

Rectangle

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



21.8746, 0.2285, 0.3071



21.8746, 0.2325, 0.2559



21.8746, 0.4047, 0.3396



21.8746, 0.3972, 0.3998

Sweetspot

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



21.8754, 0.2285, 0.3071



50.1504, 0.2813, 0.3232



23.3043, 0.2970, 0.5316



10.9177, 0.2779, 0.3225



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



21.8754, 0.2285, 0.3071



37.7529, 0.2202, 0.3018



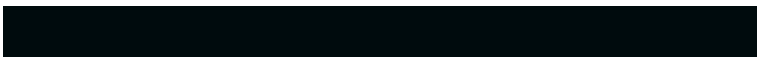
9.7747, 0.2003, 0.1914



6.9178, 0.2989, 0.3266



16.7726, 0.2159, 0.2971



0.2779, 0.2201, 0.3125

Inverse Universe

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



10.4780, 0.3375, 0.1891



16.5167, 0.3433, 0.1747



17.8505, 0.4537, 0.4281



6.3127, 0.3152, 0.3093



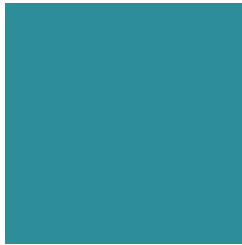
7.0985, 0.3480, 0.1691



0.1089, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 21.8746, 0.2285, 0.3071 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 21.8746, 0.2285, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

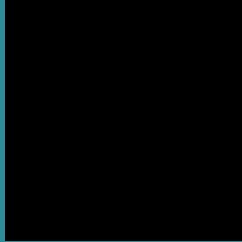
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8746, 0.2285, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 21.8746, 0.2285, 0.3071.

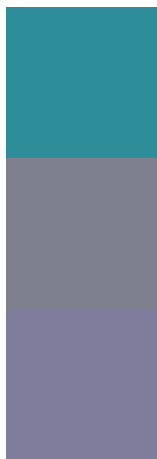


This preview shows how white text looks on a background with the Yxy color 21.8746, 0.2285, 0.3071.

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

21.8746, 0.2285, 0.3071

Protanopia

21.5975, 0.2946, 0.3008

Deuteranopia

21.5458, 0.2837, 0.2778



Tritanopia

21.8746, 0.2285, 0.3071

Trichromacy



Original Color

21.8746, 0.2285, 0.3071

Protanomaly

21.1192, 0.2632, 0.3026

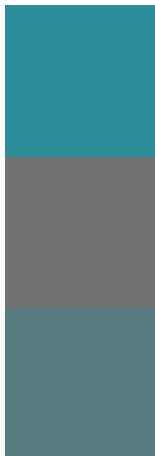
Deuteranomaly

21.1071, 0.2564, 0.2866

Tritanomaly

21.8746, 0.2285, 0.3071

Monochromacy



Original Color

21.8746, 0.2285, 0.3071

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.0977, 0.2698, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8746, 0.2285, 0.3071 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(45, 141, 152)` looks like.

```
.text, #text, p{  
    color:rgb(45, 141, 152)  
}
```

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(45, 141, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 141, 152) }
```

Border

The CSS property to change the border of an element to Yxy 21.8746, 0.2285, 0.3071 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(45, 141, 152) }
```

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

```
.border{ border-color:rgb(45, 141, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 141, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 141, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 141, 152);  
box-shadow:4px 4px 4px 4px rgb(45, 141,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8746, 0.2285, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 141, 152) }
```

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

```
.background{ background-color: rgb(45, 141,  
152) }
```

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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