

Converting Colors

$Y_{xy}(21.3089, 0.2200, 0.2808)$

Have a look what the booklet for
Yxy(21.3089, 0.2200, 0.2808)
contains.

Yxy(21.3349, 0.2199, 0.2810)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3349, 0.2199, 0.2810)

Conversions

Conversions Part 1

Format	Color
Hex	2B8AA3
RGB	43, 138, 163
RGB Percent	17%, 54%, 64%
CMY	0.8314, 0.4588, 0.3607
CMYK	0.74, 0.15, 0.00, 0.36
HSL	193°, 58%, 40%
HSV	193°, 74%, 64%
XYZ	16.6959, 21.3349, 37.8941
YIQ	112.4450, -64.6450, -12.3650

Conversions

Conversions Part 2

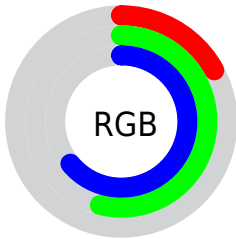
Format	Color
R_{YB}	43, 96, 163
Decimal	2853539
CIE _{Lab}	53.31, -18.74, -21.17
CIE _{LCh}	53, 28.279, 228.482
Yxy	21.3349, 0.2199, 0.2810
Android (android.graphics.Color)	4281043619 (0xFF2B8AA3)
YUV	112.4450, 24.9236, -60.9033
Hunter-Lab	46.1897, -16.3108, -16.3088

Details

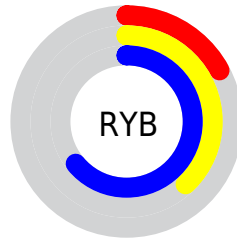
The Yxy color **21.3349, 0.2199, 0.2810** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **12.0965, 0.5273, 0.3622**, and the grayscale version is **16.2800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8254, 0.2393, 0.2929**, and **8.1271, 0.2067, 0.2642** is the 20% darker color. If you saturate the color by 10%, you get **20.0915, 0.2132, 0.2735**, and if you desaturate by 10%, it is **22.7511, 0.2284, 0.2885**.

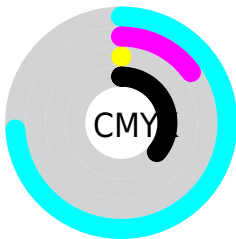
Distribution



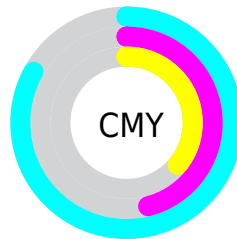
- Red (17%)
- Green (54%)
- Blue (64%)



- Red (17%)
- Yellow (38%)
- Blue (64%)



- Cyan (74%)
- Magenta (15%)
- Yellow (0%)
- Black (36%)



- Cyan (83%)
- Magenta (46%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3349, 0.2199, 0.2810 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 21.3349, 0.2199, 0.2810 by changing the saturation by 10% instead.

21.3349, 0.2199,
0.2810

21.3349, 0.2199,
0.2810

259.0530, 0.2704,
0.3091

13.3690, 0.2060,
0.2724

45.6442, 0.2392,
0.2923

7.6831, 0.1875,
0.2603

62.7565, 0.2462,
0.2962

3.8929, 0.1619,
0.2421

83.6863, 0.2519,
0.2994

1.6138, 0.1250,
0.2129

108.8181, 0.2568,
0.3020

0.3669, 0.0000,
0.1429

138.5363, 0.2609,
0.3042

0.0000, 0.0000,
0.0000

173.2252, 0.2645,

0.3061

213.2693, 0.2676,
0.3077

■ 21.3349, 0.2199,
0.2810

■ 21.3349, 0.2199,
0.2810

■ 20.0915, 0.2132,
0.2735

■ 22.7511, 0.2284,
0.2885

■ 19.0004, 0.2084,
0.2660

■ 24.3531, 0.2387,
0.2958

■ 18.3568, 0.2059,
0.2613

■ 26.1549, 0.2505,
0.3029

■ 28.1687, 0.2636,
0.3096

■ 30.4052, 0.2776,
0.3159

■ 32.8745, 0.2922,
0.3218

■ 35.5862, 0.3072,
0.3272

■ 38.5490, 0.3223,
0.3320

■ 41.7713, 0.3373,
0.3364

Harmonies

Analogous

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



21.3349, 0.2335, 0.3258



21.3349, 0.2199, 0.2810



21.3349, 0.2282, 0.2543

Triad

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



21.3349, 0.2199, 0.2810



21.3349, 0.3553, 0.2865



21.3349, 0.3652, 0.4210

Complementary

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



21.3349, 0.2199, 0.2810



12.0965, 0.5273, 0.3622

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.



21.3349, 0.4023, 0.4002



21.3349, 0.2199, 0.2810



21.3349, 0.3979, 0.3234

Square

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



21.3349, 0.2199, 0.2810



21.3349, 0.3029, 0.2595



21.3349, 0.4152, 0.3640



21.3349, 0.3157, 0.4141

Rectangle

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



21.3349, 0.2199, 0.2810



21.3349, 0.2454, 0.2477



21.3349, 0.4152, 0.3640



21.3349, 0.3796, 0.4166

Sweetspot

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



21.3357, 0.2199, 0.2810



54.9607, 0.2794, 0.3167



27.1175, 0.2907, 0.5218



12.1020, 0.2757, 0.3151



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.3357, 0.2199, 0.2810



34.7726, 0.2101, 0.2690



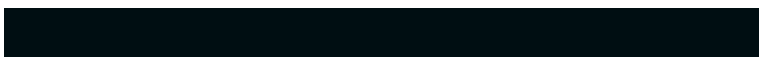
8.7496, 0.1893, 0.1592



7.7595, 0.2988, 0.3242



14.3306, 0.2061, 0.2619



0.3608, 0.2136, 0.2889

Inverse Universe

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



11.3499, 0.3603, 0.1989



17.6683, 0.3731, 0.1887



23.1425, 0.4465, 0.4467



7.1768, 0.3168, 0.3114



7.2908, 0.3805, 0.1870



0.1592, 0.3554, 0.1731

Previews

White Background



This preview shows how the Yxy color 21.3349, 0.2199, 0.2810 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 21.3349, 0.2199, 0.2810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

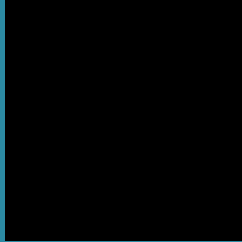
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3349, 0.2199, 0.2810

Background



This preview shows how black text looks on a background with the Yxy color 21.3349, 0.2199, 0.2810.

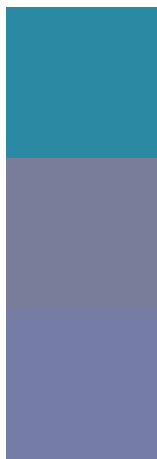


This preview shows how white text looks on a background with the Yxy color 21.3349, 0.2199, 0.2810.

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

21.3349, 0.2199, 0.2810

Protanopia

20.9934, 0.2772, 0.2783

Deuteranopia

21.2023, 0.2635, 0.2592



Tritanopia

21.3306, 0.2247, 0.3068

Trichromacy



Original Color

21.3349, 0.2199, 0.2810

Protanomaly

20.6749, 0.2495, 0.2791

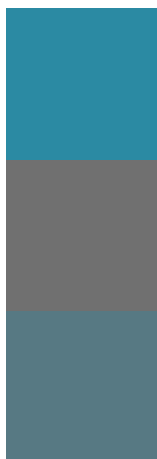
Deuteranomaly

20.8555, 0.2420, 0.2658

Tritanomaly

21.2251, 0.2228, 0.2972

Monochromacy



Original Color

21.3349, 0.2199, 0.2810

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.3397, 0.2643, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3349, 0.2199, 0.2810 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(43, 138, 163)` looks like.

```
.text, #text, p{  
    color:rgb(43, 138, 163)  
}
```

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(43, 138, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 138, 163) }
```

Border

The CSS property to change the border of an element to Yxy 21.3349, 0.2199, 0.2810 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(43, 138, 163) }
```

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

```
.border{ border-color:rgb(43, 138, 163) }
```

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

Here you see how a box with a 4 pixel rgb(43, 138, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 138, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 138, 163);  
box-shadow:4px 4px 4px 4px rgb(43, 138,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3349, 0.2199, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 138, 163) }
```

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

```
.background{ background-color: rgb(43, 138,  
163) }
```

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