

Converting Colors

$Y_{xy}(21.6315, 0.2908, 0.3106)$

Have a look what the booklet for
Yxy(21.6315, 0.2908, 0.3106)
contains.

Yxy(21.5159, 0.2901, 0.3091) 3

***Conversions* 4**

***Details* 6**

***Harmonies* 12**

***Previews* 24**

***Color Blindness Simulation* 27**

***CSS Examples* 30**

Color

Yxy(21.5159, 0.2901, 0.3091)

Conversions

Conversions Part 1	
Format	Color
Hex	77818C
RGB	119, 129, 140
RGB Percent	47%, 51%, 55%
CMY	0.5333, 0.4941, 0.4510
CMYK	0.15, 0.08, 0.00, 0.45
HSL	211°, 8%, 51%
HSV	211°, 15%, 55%
XYZ	20.1933, 21.5159, 27.8990
YIQ	127.2640, -9.4910, 1.3010

Conversions

Conversions Part 2

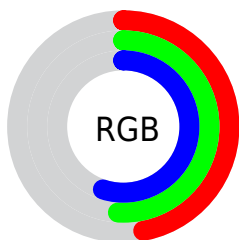
Format	Color
RYB	119, 126, 140
Decimal	7831948
CIELab	53.51, -1.26, -7.19
CIELCh	54, 7.295, 260.057
Yxy	21.5159, 0.2901, 0.3091
Android (android.graphics.Color)	4286022028 (0xFF77818C)
YUV	127.2640, 6.2788, -7.2475
Hunter-Lab	46.3852, -3.4660, -3.1910

Details

The Yxy color $21.5159, 0.2901, 0.3091$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $22.8783, 0.3368, 0.3481$, and the grayscale version is $21.3007, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.0089, 0.2945, 0.3132$, and $7.7776, 0.2805, 0.3013$ is the 20% darker color. If you saturate the color by 10%, you get $18.7329, 0.2743, 0.2940$, and if you desaturate by 10%, it is $24.5855, 0.3054, 0.3227$.

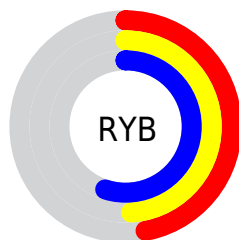
Distribution



Red (47%)

Green (51%)

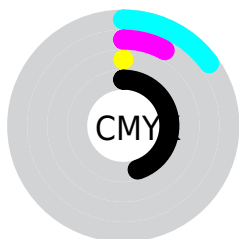
Blue (55%)



Red (47%)

Yellow (49%)

Blue (55%)

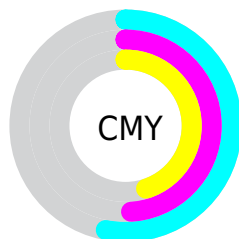


Cyan (15%)

Magenta (8%)

Yellow (0%)

Black (45%)



Cyan (53%)


Magenta (49%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5159, 0.2901, 0.3091 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 21.5159, 0.2901, 0.3091 by changing the saturation by 10% instead.


 21.5159, 0.2901,
0.3091


 21.5159, 0.2901,
0.3091


260.0076, 0.3028,
0.3203


 13.5016, 0.2864,
0.3058


 45.9446, 0.2951,
0.3135

 7.7749, 0.2811,
0.3011


 63.1278, 0.2969,
0.3151

 3.9512, 0.2733,
0.2941


 84.1360, 0.2983,
0.3164

 1.6463, 0.2605,
0.2824

109.3538, 0.2995,
0.3174

 0.3885, 0.2049,
0.2351

139.1655, 0.3005,
0.3183

 0.0000, 0.0000,
0.0000

173.9554, 0.3014,

0.3191

214.1080, 0.3021,
0.3198

■ 21.5159, 0.2901,
0.3091

■ 21.5159, 0.2901,
0.3091

■ 18.7329, 0.2743,
0.2940

■ 24.5855, 0.3054,
0.3227

■ 16.2247, 0.2583,
0.2775

■ 27.9480, 0.3199,
0.3349

■ 13.9823, 0.2423,
0.2596

■ 31.6124, 0.3337,
0.3458

■ 11.9953, 0.2269,
0.2407

■ 35.5869, 0.3466,
0.3554

■ 10.2522, 0.2125,
0.2211

■ 39.8791, 0.3586,
0.3638

■ 8.7407, 0.1996,
0.2012

■ 44.4964, 0.3697,
0.3712

■ 7.4469, 0.1887,
0.1815

■ 49.4459, 0.3800,
0.3776

■ 6.3531, 0.1800,
0.1627

■ 54.7346, 0.3895,
0.3833

■ 5.8592, 0.1760,
0.1535

■ 60.3690, 0.3983,
0.3882

Harmonies

Analogous

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



21.5159, 0.2873, 0.3169



21.5159, 0.2901, 0.3091



21.5159, 0.2988, 0.3067

Triad

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



21.5159, 0.2901, 0.3091



21.5159, 0.3347, 0.3290



21.5159, 0.3136, 0.3491

Complementary

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



21.5159, 0.2901, 0.3091



22.8783, 0.3368, 0.3481

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.



21.5159, 0.3264, 0.3522



21.5159, 0.2901, 0.3091



21.5159, 0.3388, 0.3402

Square

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



21.5159, 0.2901, 0.3091



21.5159, 0.3246, 0.3181



21.5159, 0.3357, 0.3488



21.5159, 0.3007, 0.3403

Rectangle

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



21.5159, 0.2901, 0.3091



21.5159, 0.3070, 0.3083



21.5159, 0.3357, 0.3488



21.5159, 0.3181, 0.3509

Sweetspot

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



21.5168, 0.2901, 0.3091



43.8591, 0.3067, 0.3239



24.2871, 0.3004, 0.3472



10.0160, 0.3057, 0.3230



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.5168, 0.2901, 0.3091



36.2145, 0.2848, 0.3041



19.0397, 0.2899, 0.2906



5.2590, 0.2991, 0.3173



5.2453, 0.1762, 0.1544



0.0638, 0.1981, 0.2330

Inverse Universe

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



20.3585, 0.3273, 0.3117



33.8335, 0.3312, 0.3076



25.6334, 0.3339, 0.3648



5.0856, 0.3211, 0.3186



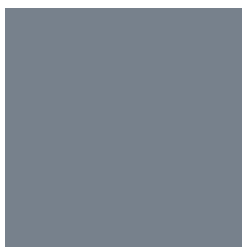
5.3137, 0.5002, 0.2529



0.0382, 0.4095, 0.2030

Previews

White Background



This preview shows how the Yxy color 21.5159, 0.2901, 0.3091 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 21.5159, 0.2901, 0.3091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

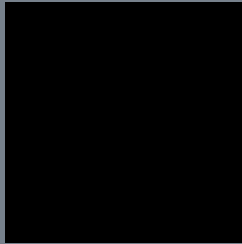
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

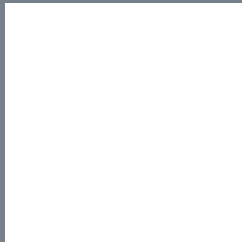
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.5159, 0.2901, 0.3091

Background



This preview shows how black text looks on a background with the Yxy color 21.5159, 0.2901, 0.3091.

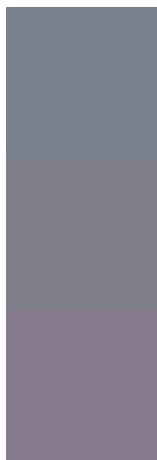


This preview shows how white text looks on a background with the Yxy color 21.5159, 0.2901, 0.3091.

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

21.5159, 0.2901, 0.3091

Protanopia

21.5548, 0.2999, 0.3078

Deuteranopia

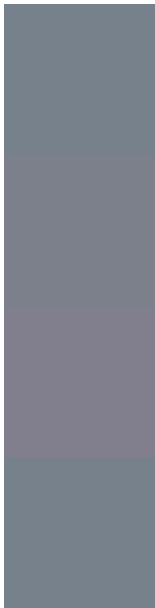
21.4067, 0.3058, 0.2997



Tritanopia

21.4865, 0.2911, 0.3109

Trichromacy



Original Color
21.5159, 0.2901, 0.3091

Protanomaly
21.5875, 0.2965, 0.3094

Deuteranomaly
21.5119, 0.3000, 0.3027

Tritanomaly
21.4865, 0.2911, 0.3109

Monochromacy



Original Color
21.5159, 0.2901, 0.3091

Achromatopsia
21.2231, 0.3127, 0.3290

Achromatomaly
21.3894, 0.3038, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5159, 0.2901, 0.3091 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(119, 129, 140)` looks like.

```
.text, #text, p{  
    color:rgb(119, 129, 140)  
}
```

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(119, 129, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 129, 140) }
```

Border

The CSS property to change the border of an element to Yxy 21.5159, 0.2901, 0.3091 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(119, 129, 140) }
```

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

```
.border{ border-color:rgb(119, 129, 140) }
```

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

Here you see how a box with a 4 pixel rgb(119, 129, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 129, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 129, 140);  
box-shadow:4px 4px 4px 4px rgb(119, 129,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5159, 0.2901, 0.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 129, 140) }
```

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

```
.background{ background-color: rgb(119,  
129, 140) }
```

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