

Converting Colors

$Y_{xy}(21.7961, 0.2796, 0.3174)$

Have a look what the booklet for
Yxy(21.7961, 0.2796, 0.3174)
contains.

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Color

$\text{Yxy}(21.8273, 0.2800, 0.3178)$

Conversions

Conversions Part 1

Format	Color
Hex	6C858B
RGB	108, 133, 139
RGB Percent	42%, 52%, 55%
CMY	0.5765, 0.4784, 0.4549
CMYK	0.22, 0.04, 0.00, 0.45
HSL	192°, 13%, 48%
HSV	192°, 22%, 55%
XYZ	19.2311, 21.8273, 27.6241
YIQ	126.2090, -16.8260, -3.4340

Conversions

Conversions Part 2

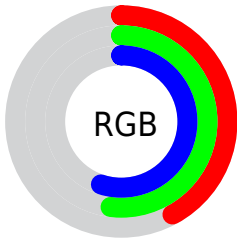
Format	Color
R_{YB}	108, 122, 139
Decimal	7112075
CIE _{Lab}	53.84, -7.51, -6.19
CIE _{LCh}	54, 9.737, 219.488
Yxy	21.8273, 0.2800, 0.3178
Android (android.graphics.Color)	4285302155 (0xFF6C858B)
YUV	126.2090, 6.3060, -15.9693
Hunter-Lab	46.7197, -8.2840, -2.3528

Details

The Yxy color **21.8273, 0.2800, 0.3178** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.6026, 0.3539, 0.3399**, and the grayscale version is **20.9212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3972, 0.2875, 0.3209**, and **7.8684, 0.2678, 0.3117** is the 20% darker color. If you saturate the color by 10%, you get **20.2989, 0.2662, 0.3121**, and if you desaturate by 10%, it is **23.5153, 0.2945, 0.3231**.

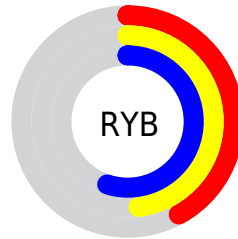
Distribution



Red (42%)

Green (52%)

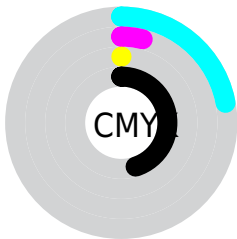
Blue (55%)



Red (42%)

Yellow (48%)

Blue (55%)

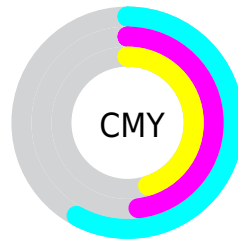


Cyan (22%)

Magenta (4%)

Yellow (0%)

Black (45%)



Cyan (58%)

Magenta (48%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8273, 0.2800, 0.3178 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 21.8273, 0.2800, 0.3178 by changing the saturation by 10% instead.

■ 21.8273, 0.2800,
0.3178

■ 21.8273, 0.2800,
0.3178

■ 261.6431, 0.2983,
0.3243

■ 13.7301, 0.2747,
0.3158

■ 46.4604, 0.2872,
0.3204

■ 7.9332, 0.2673,
0.3129

■ 63.7650, 0.2897,
0.3213

■ 4.0522, 0.2564,
0.3085

■ 84.9076, 0.2918,
0.3221

■ 1.7028, 0.2387,
0.3008

■ 110.2725, 0.2935,
0.3227

■ 0.4255, 0.1432,
0.2758

■ 140.2441, 0.2950,
0.3232

■ 0.0000, 0.0000,
0.0000

175.2068, 0.2962,

0.3236

215.5450, 0.2973,
0.3240

■ 21.8273, 0.2800,
0.3178

■ 21.8273, 0.2800,
0.3178

■ 20.2989, 0.2662,
0.3121

■ 23.5153, 0.2945,
0.3231

■ 18.9206, 0.2532,
0.3060

■ 25.3664, 0.3093,
0.3279

■ 17.6861, 0.2415,
0.2996

■ 27.3875, 0.3242,
0.3323

■ 16.5876, 0.2312,
0.2930

■ 29.5841, 0.3390,
0.3363

■ 15.6162, 0.2226,
0.2862

■ 31.9616, 0.3535,
0.3398

■ 14.7619, 0.2158,
0.2794

■ 34.5250, 0.3676,
0.3429

■ 14.0131, 0.2108,
0.2726

■ 37.2792, 0.3812,
0.3457

■ 13.4819, 0.2076,
0.2674

■ 40.2288, 0.3942,
0.3480

■ 43.3784, 0.4066,
0.3501

Harmonies

Analogous

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



21.8273, 0.2879, 0.3339



21.8273, 0.2800, 0.3178



21.8273, 0.2806, 0.3054

Triad

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



21.8273, 0.2800, 0.3178



21.8273, 0.3225, 0.3102



21.8273, 0.3360, 0.3592

Complementary

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



21.8273, 0.2800, 0.3178



18.6026, 0.3539, 0.3399

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.



21.8273, 0.3458, 0.3518



21.8273, 0.2800, 0.3178



21.8273, 0.3380, 0.3236

Square

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



21.8273, 0.2800, 0.3178



21.8273, 0.3047, 0.3016



21.8273, 0.3466, 0.3387



21.8273, 0.3200, 0.3584

Rectangle

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



21.8273, 0.2800, 0.3178



21.8273, 0.2856, 0.3008



21.8273, 0.3466, 0.3387



21.8273, 0.3401, 0.3576

Sweetspot

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



21.8282, 0.2800, 0.3178



43.7848, 0.3021, 0.3257



22.8597, 0.3044, 0.3775



10.0519, 0.3013, 0.3254



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.



21.8282, 0.2800, 0.3178



37.6112, 0.2726, 0.3148



17.9641, 0.2779, 0.2886



5.5272, 0.2991, 0.3247



12.1923, 0.2077, 0.2676



0.1005, 0.2166, 0.2999

Inverse Universe

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



17.9060, 0.3227, 0.2854



29.3408, 0.3255, 0.2748



22.3190, 0.3484, 0.3664



5.1127, 0.3164, 0.3115



6.0150, 0.3751, 0.1840



0.0419, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 21.8273, 0.2800, 0.3178 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 21.8273, 0.2800, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

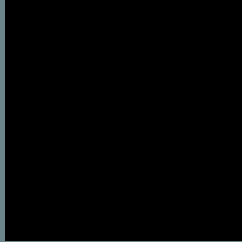
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

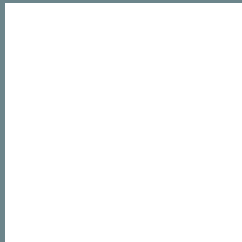
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.8273, 0.2800, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 21.8273, 0.2800, 0.3178.



This preview shows how white text looks on a background with the Yxy color 21.8273, 0.2800, 0.3178.

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

21.8273, 0.2800, 0.3178

Protanopia

21.8830, 0.3053, 0.3149

Deuteranopia

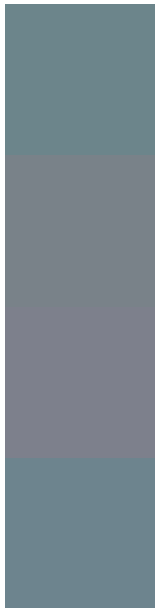
21.7412, 0.3070, 0.3015



Tritanopia

21.7369, 0.2772, 0.3087

Trichromacy



Original Color

21.8273, 0.2800, 0.3178

Protanomaly

21.8364, 0.2953, 0.3163

Deuteranomaly

21.6918, 0.2966, 0.3077

Tritanomaly

21.7067, 0.2781, 0.3105

Monochromacy



Original Color

21.8273, 0.2800, 0.3178

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.2611, 0.2992, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8273, 0.2800, 0.3178 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(108, 133, 139)` looks like.

```
.text, #text, p{  
    color:rgb(108, 133, 139)  
}
```

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(108, 133, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 133, 139) }
```

Border

The CSS property to change the border of an element to Yxy 21.8273, 0.2800, 0.3178 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(108, 133, 139) }
```

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

```
.border{ border-color:rgb(108, 133, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 133, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 133, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 133, 139);  
box-shadow:4px 4px 4px 4px rgb(108, 133,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8273, 0.2800, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 133, 139) }
```

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

```
.background{ background-color: rgb(108,  
133, 139) }
```

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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