

Converting Colors

$Yxy(21.4216, 0.2159, 0.2896)$

Have a look what the booklet for
Yxy(21.4216, 0.2159, 0.2896)
contains.

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Color

Yxy(21.4228, 0.2160, 0.2897)

Conversions

Conversions Part 1

Format	Color
Hex	128CA0
RGB	18, 140, 160
RGB Percent	7%, 55%, 63%
CMY	0.9294, 0.4510, 0.3725
CMYK	0.89, 0.13, 0.00, 0.37
HSL	188°, 80%, 35%
HSV	188°, 89%, 63%
XYZ	15.9728, 21.4228, 36.5526
YIQ	105.8020, -79.1320, -19.6440

Conversions

Conversions Part 2

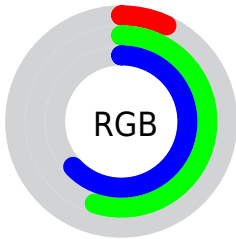
Format	Color
RYB	18, 84, 160
Decimal	1215648
CIELab	53.41, -23.26, -19.33
CIELCh	53, 30.241, 219.731
Yxy	21.4228, 0.2160, 0.2897
Android (android.graphics.Color)	4279405728 (0xFF128CA0)
YUV	105.8020, 26.7196, -77.0024
Hunter-Lab	46.2848, -19.3982, -14.4239

Details

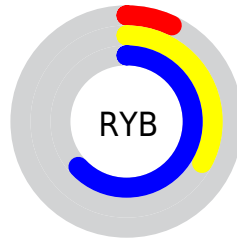
The Yxy color **21.4228, 0.2160, 0.2897** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.9047, 0.5956, 0.3466**, and the grayscale version is **14.2990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8696, 0.2360, 0.2993**, and **8.3950, 0.2105, 0.2777** is the 20% darker color. If you saturate the color by 10%, you get **20.6558, 0.2127, 0.2849**, and if you desaturate by 10%, it is **22.3006, 0.2208, 0.2946**.

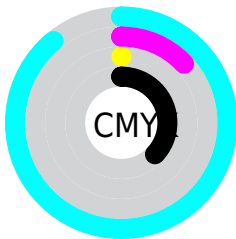
Distribution



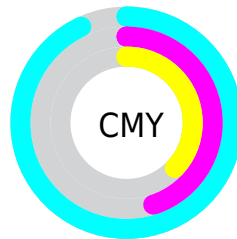
- Red (7%)
- Green (55%)
- Blue (63%)



- Red (7%)
- Yellow (33%)
- Blue (63%)



- Cyan (89%)
- Magenta (13%)
- Yellow (0%)
- Black (37%)





- Cyan (93%)
- Magenta (45%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4228, 0.2160, 0.2897 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 21.4228, 0.2160, 0.2897 by changing the saturation by 10% instead.

 21.4228, 0.2160,
0.2897

 21.4228, 0.2160,
0.2897


 259.5170, 0.2685,
0.3133


 13.4334, 0.2016,
0.2822


 45.7901, 0.2361,
0.2994

 7.7277, 0.1824,
0.2715


 62.9369, 0.2433,
0.3026

 3.9212, 0.1559,
0.2552

 83.9048, 0.2493,
0.3053

 1.6296, 0.1180,
0.2280

 109.0784, 0.2544,
0.3074

 0.3774, 0.0000,
0.1586

 138.8420, 0.2587,
0.3093

 0.0000, 0.0000,
0.0000

 173.5801, 0.2624,

0.3108

213.6769, 0.2657,
0.3121

■ 21.4228, 0.2160,
0.2897

■ 21.4228, 0.2160,
0.2897

■ 20.6558, 0.2127,
0.2849

■ 22.3006, 0.2208,
0.2946

■ 20.5620, 0.2123,
0.2842

■ 23.3178, 0.2275,
0.2995

■ 24.4908, 0.2360,
0.3044

■ 25.8330, 0.2462,
0.3091

■ 27.3562, 0.2579,
0.3137

■ 29.0713, 0.2709,
0.3181

■ 30.9880, 0.2849,
0.3222

■ 33.1155, 0.2996,
0.3259

■ 35.4623, 0.3146,
0.3294

Harmonies

Analogous

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



21.4228, 0.2369, 0.3415



21.4228, 0.2160, 0.2897



21.4228, 0.2181, 0.2554

Triad

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



21.4228, 0.2160, 0.2897



21.4228, 0.3419, 0.2741



21.4228, 0.3819, 0.4231

Complementary

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



21.4228, 0.2160, 0.2897



8.9047, 0.5956, 0.3466

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.



21.4228, 0.4153, 0.3941



21.4228, 0.2160, 0.2897



21.4228, 0.3926, 0.3107

Square

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



21.4228, 0.2160, 0.2897



21.4228, 0.2866, 0.2499



21.4228, 0.4202, 0.3532



21.4228, 0.3314, 0.4260

Rectangle

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



21.4228, 0.2160, 0.2897



21.4228, 0.2321, 0.2445



21.4228, 0.4202, 0.3532



21.4228, 0.3956, 0.4156

Sweetspot

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



21.4236, 0.2160, 0.2897



53.1878, 0.2726, 0.3186



25.4051, 0.2955, 0.5707



11.4370, 0.2683, 0.3172



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.4236, 0.2160, 0.2897



37.1074, 0.2120, 0.2833



7.0564, 0.1758, 0.1411



7.3501, 0.2988, 0.3258



16.0647, 0.2124, 0.2847



0.3269, 0.2178, 0.3041

Inverse Universe

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



9.8004, 0.3541, 0.1784



16.8507, 0.3604, 0.1759



18.2301, 0.4842, 0.4421



6.7385, 0.3158, 0.3100



7.2440, 0.3592, 0.1752



0.1335, 0.3418, 0.1657

Previews

White Background



This preview shows how the Yxy color 21.4228, 0.2160, 0.2897 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 21.4228, 0.2160, 0.2897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

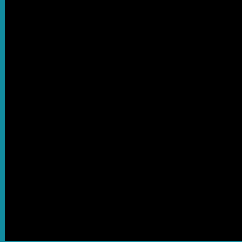
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4228, 0.2160, 0.2897

Background



This preview shows how black text looks on a background with the Yxy color 21.4228, 0.2160, 0.2897.

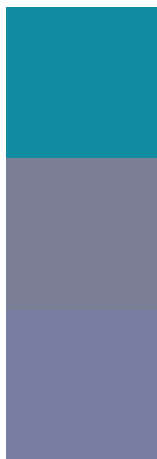


This preview shows how white text looks on a background with the Yxy color 21.4228, 0.2160, 0.2897.

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

21.4228, 0.2160, 0.2897

Protanopia

21.2613, 0.2833, 0.2869

Deuteranopia

21.3046, 0.2691, 0.2643



Tritanopia

21.3168, 0.2185, 0.3066

Trichromacy



Original Color

21.4228, 0.2160, 0.2897

Protanomaly

20.4505, 0.2457, 0.2854

Deuteranomaly

20.4129, 0.2389, 0.2698

Tritanomaly

21.4615, 0.2177, 0.3009

Monochromacy



Original Color

21.4228, 0.2160, 0.2897

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.9191, 0.2557, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4228, 0.2160, 0.2897 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(18, 140, 160)` looks like.

```
.text, #text, p{  
    color:rgb(18, 140, 160)  
}
```

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(18, 140, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 140, 160) }
```

Border

The CSS property to change the border of an element to Yxy 21.4228, 0.2160, 0.2897 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(18, 140, 160) }
```

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

```
.border{ border-color:rgb(18, 140, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 140, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 140, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 140, 160);  
box-shadow:4px 4px 4px 4px rgb(18, 140,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4228, 0.2160, 0.2897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 140, 160) }
```

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

```
.background{ background-color: rgb(18, 140,  
160) }
```

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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