

Converting Colors

$Y_{xy}(18.4790, 0.2143, 0.2808)$

Have a look what the booklet for
Yxy(18.4790, 0.2143, 0.2808)
contains.

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Color

Yxy(18.4578, 0.2141, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	15829A
RGB	21, 130, 154
RGB Percent	8%, 51%, 60%
CMY	0.9177, 0.4902, 0.3961
CMYK	0.86, 0.16, 0.00, 0.40
HSL	191°, 76%, 34%
HSV	191°, 86%, 60%
XYZ	14.1237, 18.4578, 33.3863
YIQ	100.1450, -72.6680, -15.6440

Conversions

Conversions Part 2

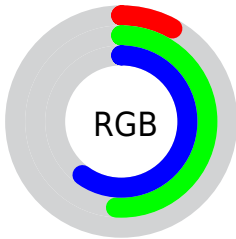
Format	Color
R_{YB}	21, 81, 154
Decimal	1409690
CIE _{Lab}	50.05, -19.85, -20.99
CIE _{LCh}	50, 28.891, 226.600
Yxy	18.4578, 0.2141, 0.2798
Android (android.graphics.Color)	4279599770 (0xFF15829A)
YUV	100.1450, 26.5505, -69.4102
Hunter-Lab	42.9625, -16.5035, -16.0007

Details

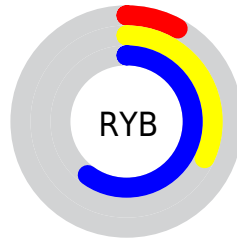
The Yxy color **18.4578, 0.2141, 0.2798** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.7987, 0.5795, 0.3541**, and the grayscale version is **12.7275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7482, 0.2355, 0.2923**, and **6.7166, 0.2054, 0.2595** is the 20% darker color. If you saturate the color by 10%, you get **17.6062, 0.2100, 0.2735**, and if you desaturate by 10%, it is **19.4302, 0.2199, 0.2862**.

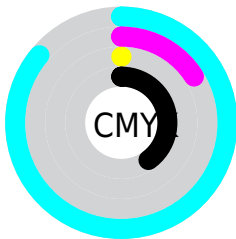
Distribution



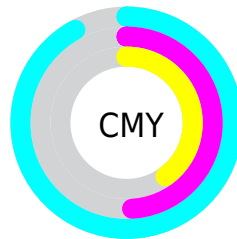
- Red (8%)
- Green (51%)
- Blue (60%)



- Red (8%)
- Yellow (32%)
- Blue (60%)



- Cyan (86%)
- Magenta (16%)
- Yellow (0%)
- Black (40%)



- Cyan (92%)
- Magenta (49%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4578, 0.2141, 0.2798 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 18.4578, 0.2141, 0.2798 by changing the saturation by 10% instead.

■ 18.4578, 0.2141,
0.2798

■ 18.4578, 0.2141,
0.2798

■ 243.4389, 0.2687,
0.3093

■ 11.2792, 0.1987,
0.2704

■ 40.8159, 0.2353,
0.2919

■ 6.2549, 0.1779,
0.2568

■ 56.7641, 0.2428,
0.2961

■ 3.0007, 0.1488,
0.2360

■ 76.4043, 0.2490,
0.2994

■ 1.1321, 0.1022,
0.2022

■ 100.1209, 0.2543,
0.3021

■ 0.0052, 0.0000,
0.0033

■ 128.2983, 0.2587,
0.3043

■ 0.0000, 0.0000,
0.0000

■ 161.3208, 0.2625,

0.3063

199.5729, 0.2658,
0.3079

■ 18.4578, 0.2141,
0.2798

■ 18.4578, 0.2141,
0.2798

■ 17.6062, 0.2100,
0.2735

■ 19.4302, 0.2199,
0.2862

■ 17.3102, 0.2087,
0.2712

■ 20.5416, 0.2276,
0.2926

■ 21.8065, 0.2370,
0.2988

■ 23.2365, 0.2481,
0.3049

■ 24.8425, 0.2605,
0.3108

■ 26.6339, 0.2740,
0.3163

■ 28.6197, 0.2883,
0.3215

■ 30.8081, 0.3031,
0.3262

■ 33.2068, 0.3182,
0.3305

Harmonies

Analogous

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



18.4578, 0.2298, 0.3287



18.4578, 0.2141, 0.2798



18.4578, 0.2215, 0.2503

Triad

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



18.4578, 0.2141, 0.2798



18.4578, 0.3548, 0.2814



18.4578, 0.3715, 0.4269

Complementary

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



18.4578, 0.2141, 0.2798



8.7987, 0.5795, 0.3541

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.



18.4578, 0.4102, 0.4025



18.4578, 0.2141, 0.2798



18.4578, 0.4019, 0.3201

Square

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



18.4578, 0.2141, 0.2798



18.4578, 0.2986, 0.2538



18.4578, 0.4224, 0.3631



18.4578, 0.3189, 0.4223

Rectangle

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



18.4578, 0.2141, 0.2798



18.4578, 0.2388, 0.2427



18.4578, 0.4224, 0.3631



18.4578, 0.3866, 0.4214

Sweetspot

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



18.4585, 0.2141, 0.2798



48.3353, 0.2738, 0.3162



23.4435, 0.2934, 0.5592



10.6956, 0.2694, 0.3145



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.4585, 0.2141, 0.2798



31.1903, 0.2083, 0.2699



6.3103, 0.1761, 0.1380



6.8370, 0.2989, 0.3249



14.1518, 0.2088, 0.2717



0.2553, 0.2166, 0.2998

Inverse Universe

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



9.0171, 0.3628, 0.1856



15.2008, 0.3729, 0.1828



18.0018, 0.4728, 0.4480



6.3045, 0.3163, 0.3110



6.8339, 0.3713, 0.1819



0.1066, 0.3456, 0.1678

Previews

White Background



This preview shows how the Yxy color 18.4578, 0.2141, 0.2798 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 18.4578, 0.2141, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

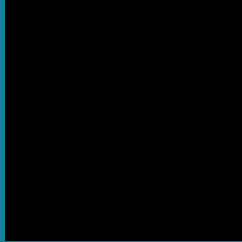
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4578, 0.2141, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 18.4578, 0.2141, 0.2798.

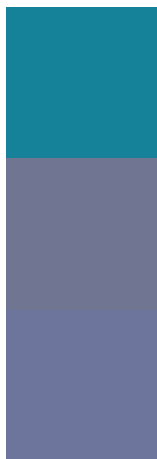


This preview shows how white text looks on a background with the Yxy color 18.4578, 0.2141, 0.2798.

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

18.4578, 0.2141, 0.2798

Protanopia

18.2117, 0.2763, 0.2771

Deuteranopia

18.4081, 0.2618, 0.2570



Tritanopia

18.4555, 0.2187, 0.3073

Trichromacy



Original Color

18.4578, 0.2141, 0.2798

Protanomaly

17.7195, 0.2431, 0.2774

Deuteranomaly

17.8971, 0.2357, 0.2633

Tritanomaly

18.3595, 0.2169, 0.2971

Monochromacy



Original Color

18.4578, 0.2141, 0.2798

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.0645, 0.2560, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4578, 0.2141, 0.2798 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(21, 130, 154)` looks like.

```
.text, #text, p{  
    color:rgb(21, 130, 154)  
}
```

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(21, 130, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 130, 154) }
```

Border

The CSS property to change the border of an element to Yxy 18.4578, 0.2141, 0.2798 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(21, 130, 154) }
```

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

```
.border{ border-color:rgb(21, 130, 154) }
```

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

Here you see how a box with a 4 pixel rgb(21, 130, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 130, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 130, 154);  
box-shadow:4px 4px 4px 4px rgb(21, 130,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4578, 0.2141, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 130, 154) }
```

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

```
.background{ background-color: rgb(21, 130,  
154) }
```

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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