

Converting Colors

$Y_{xy}(19.2686, 0.2848, 0.2830)$

Have a look what the booklet for
Yxy(19.2686, 0.2848, 0.2830)
contains.

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Color

Yxy(19.1599, 0.2843, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	777791
RGB	119, 119, 145
RGB Percent	47%, 47%, 57%
CMY	0.5333, 0.5333, 0.4314
CMYK	0.18, 0.18, 0.00, 0.43
HSL	240°, 11%, 52%
HSV	240°, 18%, 57%
XYZ	19.3162, 19.1599, 29.4668
YIQ	121.9640, -8.3460, 8.0860

Conversions

Conversions Part 2

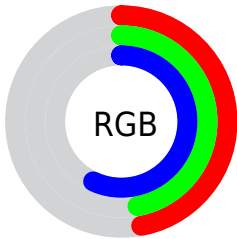
Format	Color
R_{YB}	119, 119, 145
Decimal	7829393
CIE _{Lab}	50.87, 5.72, -14.07
CIE _{LCh}	51, 15.184, 292.119
Yxy	19.1599, 0.2843, 0.2820
Android (android.graphics.Color)	4286019473 (0xFF777791)
YUV	121.9640, 11.3567, -2.5994
Hunter-Lab	43.7720, 2.1693, -9.2730

Details

The Yxy color **19.1599, 0.2843, 0.2820** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.6004, 0.3387, 0.3720**, and the grayscale version is **19.4148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9073, 0.2904, 0.2920**, and **6.6348, 0.2713, 0.2630** is the 20% darker color. If you saturate the color by 10%, you get **15.0201, 0.2658, 0.2514**, and if you desaturate by 10%, it is **23.9843, 0.3009, 0.3095**.

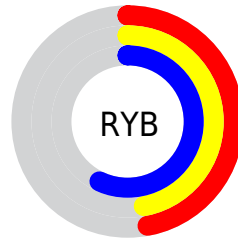
Distribution



Red (47%)

Green (47%)

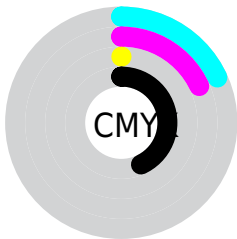
Blue (57%)



Red (47%)

Yellow (47%)

Blue (57%)

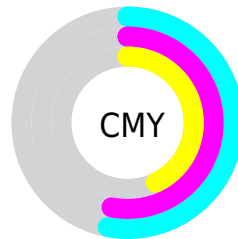


Cyan (18%)

Magenta (18%)

Yellow (0%)

Black (43%)



Cyan (53%)

Magenta (53%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1599, 0.2843, 0.2820 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 19.1599, 0.2843, 0.2820 by changing the saturation by 10% instead.

■ 19.1599, 0.2843,
0.2820

■ 19.1599, 0.2843,
0.2820

247.3301, 0.3006,
0.3084

■ 11.7859, 0.2793,
0.2742

■ 42.0041, 0.2908,
0.2924

■ 6.5980, 0.2723,
0.2635

■ 58.2431, 0.2931,
0.2961

■ 3.2120, 0.2616,
0.2475

■ 78.2059, 0.2949,
0.2990

■ 1.2434, 0.2435,
0.2217

102.2768, 0.2965,
0.3015

■ 0.0967, 0.1628,
0.0680

130.8403, 0.2978,
0.3036

■ 0.0000, 0.0000,
0.0000

164.2807, 0.2989,

0.3055

202.9825, 0.2998,
0.3070

■ 19.1599, 0.2843,
0.2820

■ 19.1599, 0.2843,
0.2820

■ 15.0201, 0.2658,
0.2514

■ 23.9843, 0.3009,
0.3095

■ 11.5316, 0.2457,
0.2182

■ 29.5197, 0.3156,
0.3338

■ 8.6620, 0.2248,
0.1836

■ 35.7942, 0.3284,
0.3549

■ 6.3751, 0.2042,
0.1495

■ 42.8336, 0.3394,
0.3731

■ 4.6312, 0.1852,
0.1182

■ 50.6625, 0.3489,
0.3888

■ 3.3852, 0.1695,
0.0922

■ 59.3042, 0.3571,
0.4024

■ 2.5853, 0.1582,
0.0736

■ 68.7812, 0.3641,
0.4140

■ 2.1292, 0.1513,
0.0622

■ 79.1152, 0.3701,
0.4240

■ 2.0446, 0.1500,
0.0600

■ 90.3271, 0.3754,
0.4326

Harmonies

Analogous

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



19.1599, 0.2655, 0.2855



19.1599, 0.2843, 0.2820



19.1599, 0.3114, 0.2899

Triad

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



19.1599, 0.2843, 0.2820



19.1599, 0.3696, 0.3535



19.1599, 0.2849, 0.3521

Complementary

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



19.1599, 0.2843, 0.2820



27.6004, 0.3387, 0.3720

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.



19.1599, 0.3120, 0.3728



19.1599, 0.2843, 0.2820



19.1599, 0.3614, 0.3721

Square

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



19.1599, 0.2843, 0.2820



19.1599, 0.3617, 0.3299



19.1599, 0.3401, 0.3799



19.1599, 0.2658, 0.3250

Rectangle

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



19.1599, 0.2843, 0.2820



19.1599, 0.3308, 0.3006



19.1599, 0.3401, 0.3799



19.1599, 0.2934, 0.3602

Sweetspot

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



19.1607, 0.2843, 0.2820



45.6234, 0.3053, 0.3167



26.2162, 0.2866, 0.3289



10.0162, 0.3043, 0.3151



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



19.1607, 0.2843, 0.2820



30.8083, 0.2761, 0.2685



20.1434, 0.2992, 0.2840



5.2551, 0.2990, 0.3063



1.7539, 0.1500, 0.0600



0.0168, 0.1501, 0.0601

Inverse Universe

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



21.2571, 0.3147, 0.2861



35.3662, 0.3153, 0.2751



26.4873, 0.3244, 0.3740



5.5110, 0.3137, 0.3073



6.9152, 0.3210, 0.1542



0.0661, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 19.1599, 0.2843, 0.2820 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 19.1599, 0.2843, 0.2820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

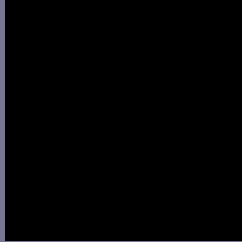
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

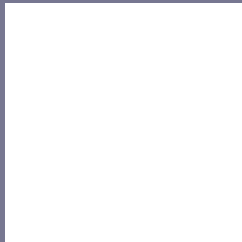
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.1599, 0.2843, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 19.1599, 0.2843, 0.2820.



This preview shows how white text looks on a background with the Yxy color 19.1599, 0.2843, 0.2820.

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

19.1599, 0.2843, 0.2820

Protanopia

19.2213, 0.2801, 0.2817

Deuteranopia

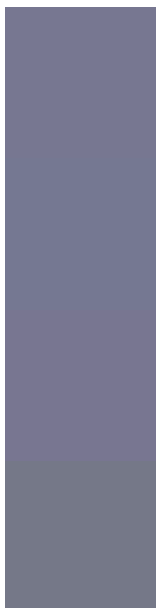
19.0661, 0.2865, 0.2805



Tritanopia

19.0264, 0.2956, 0.3101

Trichromacy



Original Color

19.1599, 0.2843, 0.2820

Protanomaly

19.2902, 0.2812, 0.2819

Deuteranomaly

18.9943, 0.2853, 0.2803

Tritanomaly

18.9924, 0.2914, 0.2992

Monochromacy



Original Color

19.1599, 0.2843, 0.2820

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3514, 0.3026, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1599, 0.2843, 0.2820 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, 119, 145)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 145)  
}
```

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, 119, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 145) }
```

Border

The CSS property to change the border of an element to Yxy 19.1599, 0.2843, 0.2820 is called "border". The border property can be set on classes, ids or directly on the HTML element.

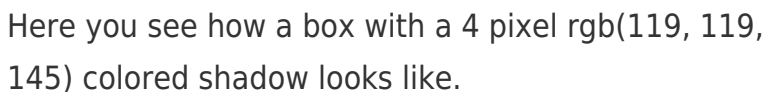
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 119, 145) }
```

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

```
.border{ border-color:rgb(119, 119, 145) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 119, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 119, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 119, 145); box-shadow:4px 4px 4px 4px rgb(119, 119, 145) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1599, 0.2843, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 145) }
```

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

```
.background{ background-color: rgb(119,  
119, 145) }
```

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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