

Converting Colors

$Y_{xy}(19.4740, 0.2903, 0.2939)$

Have a look what the booklet for
Yxy(19.4740, 0.2903, 0.2939)
contains.

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Color

Yxy(19.5613, 0.2907, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	78798C
RGB	120, 121, 140
RGB Percent	47%, 47%, 55%
CMY	0.5295, 0.5255, 0.4510
CMYK	0.14, 0.14, 0.00, 0.45
HSL	237°, 8%, 51%
HSV	237°, 14%, 55%
XYZ	19.3155, 19.5613, 27.5679
YIQ	122.8670, -6.6950, 5.6970

Conversions

Conversions Part 2

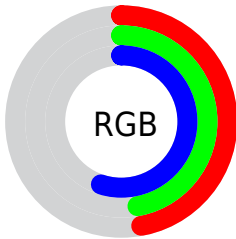
Format	Color
R_{YB}	120, 121, 140
Decimal	7895436
CIE _{Lab}	51.34, 3.71, -10.43
CIE _{LCh}	51, 11.068, 289.610
Yxy	19.5613, 0.2907, 0.2944
Android (android.graphics.Color)	4286085516 (0xFF78798C)
YUV	122.8670, 8.4466, -2.5144
Hunter-Lab	44.2282, 0.5558, -5.9964

Details

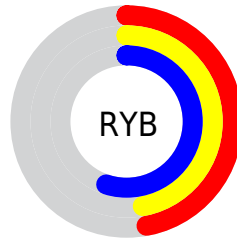
The Yxy color **19.5613, 0.2907, 0.2944** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **25.3913, 0.3336, 0.3614**, and the grayscale version is **19.7344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5528, 0.2951, 0.3011**, and **6.8429, 0.2809, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **15.6227, 0.2731, 0.2665**, and if you desaturate by 10%, it is **24.0928, 0.3065, 0.3193**.

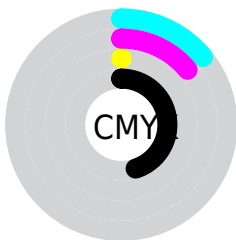
Distribution



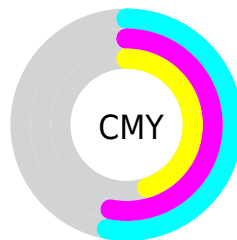
- Red (47%)
- Green (47%)
- Blue (55%)



- Red (47%)
- Yellow (47%)
- Blue (55%)



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)
- Black (45%)



- Cyan (53%)
- Magenta (53%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5613, 0.2907, 0.2944 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 19.5613, 0.2907, 0.2944 by changing the saturation by 10% instead.

■ 19.5613, 0.2907,
0.2944

■ 19.5613, 0.2907,
0.2944

249.5302, 0.3033,
0.3139

■ 12.0766, 0.2869,
0.2886

■ 42.6804, 0.2957,
0.3021

■ 6.7958, 0.2814,
0.2805

■ 59.0836, 0.2975,
0.3048

■ 3.3347, 0.2732,
0.2684

■ 79.2284, 0.2989,
0.3070

■ 1.3089, 0.2591,
0.2484

103.4992, 0.3001,
0.3089

■ 0.1481, 0.1823,
0.1166

132.2804, 0.3011,
0.3104

■ 0.0000, 0.0000,
0.0000

165.9563, 0.3019,

0.3118

204.9115, 0.3027,
0.3129

■ 19.5613, 0.2907,
0.2944

■ 19.5613, 0.2907,
0.2944

■ 15.6227, 0.2731,
0.2665

■ 24.0928, 0.3065,
0.3193

■ 12.2502, 0.2540,
0.2360

■ 29.2378, 0.3205,
0.3411

■ 9.4185, 0.2338,
0.2034

■ 35.0188, 0.3327,
0.3601

■ 7.0995, 0.2135,
0.1702

■ 41.4566, 0.3434,
0.3766

■ 5.2624, 0.1941,
0.1381

■ 48.5708, 0.3527,
0.3908

■ 3.8733, 0.1771,
0.1095

■ 56.3804, 0.3607,
0.4031

■ 2.8938, 0.1638,
0.0865

■ 64.9037, 0.3677,
0.4137

■ 2.2782, 0.1550,
0.0706

■ 74.1580, 0.3738,
0.4228

■ 2.0478, 0.1512,
0.0644

■ 84.1603, 0.3791,
0.4307

Harmonies

Analogous

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



19.5613, 0.2774, 0.2980



19.5613, 0.2907, 0.2944



19.5613, 0.3102, 0.2995

Triad

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



19.5613, 0.2907, 0.2944



19.5613, 0.3537, 0.3459



19.5613, 0.2942, 0.3471

Complementary

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



19.5613, 0.2907, 0.2944



25.3913, 0.3336, 0.3614

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.



19.5613, 0.3142, 0.3611



19.5613, 0.2907, 0.2944



19.5613, 0.3489, 0.3596

Square

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



19.5613, 0.2907, 0.2944



19.5613, 0.3471, 0.3285



19.5613, 0.3343, 0.3656



19.5613, 0.2794, 0.3280

Rectangle

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



19.5613, 0.2907, 0.2944



19.5613, 0.3242, 0.3070



19.5613, 0.3343, 0.3656



19.5613, 0.3005, 0.3526

Sweetspot

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



19.5621, 0.2907, 0.2944



42.6550, 0.3068, 0.3197



24.6025, 0.2930, 0.3313



9.6940, 0.3058, 0.3181



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.



19.5621, 0.2907, 0.2944



32.2511, 0.2855, 0.2862



19.9645, 0.3007, 0.2936



4.9304, 0.2991, 0.3076



1.8287, 0.1513, 0.0647



0.0168, 0.1572, 0.0859

Inverse Universe

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



20.3865, 0.3368, 0.3273



33.9909, 0.3431, 0.3269



24.9632, 0.3235, 0.3641



5.0524, 0.3273, 0.3279



4.9688, 0.6322, 0.3256



0.0335, 0.5976, 0.3066

Previews

White Background



This preview shows how the Yxy color 19.5613, 0.2907, 0.2944 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 19.5613, 0.2907, 0.2944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

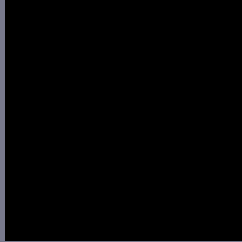
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

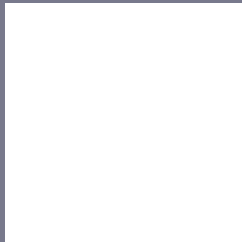
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.5613, 0.2907, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 19.5613, 0.2907, 0.2944.



This preview shows how white text looks on a background with the Yxy color 19.5613, 0.2907, 0.2944.

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

19.5613, 0.2907, 0.2944

Protanopia

19.4901, 0.2896, 0.2943

Deuteranopia

19.5227, 0.2976, 0.2914



Tritanopia

19.5069, 0.2981, 0.3104

Trichromacy



Original Color

19.5613, 0.2907, 0.2944

Protanomaly

19.4901, 0.2896, 0.2943

Deuteranomaly

19.6115, 0.2953, 0.2930

Tritanomaly

19.5903, 0.2949, 0.3050

Monochromacy



Original Color

19.5613, 0.2907, 0.2944

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.6416, 0.3049, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5613, 0.2907, 0.2944 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(120, 121, 140)` looks like.

```
.text, #text, p{  
    color:rgb(120, 121, 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(120, 121, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 121, 140) }
```

Border

The CSS property to change the border of an element to Yxy 19.5613, 0.2907, 0.2944 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(120, 121, 140) }
```

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

```
.border{ border-color:rgb(120, 121, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 121, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 121, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 121, 140);  
box-shadow:4px 4px 4px 4px rgb(120, 121,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5613, 0.2907, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 121, 140) }
```

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

```
.background{ background-color: rgb(120,  
121, 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](#).

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