

Converting Colors

$Y_{xy}(19.7516, 0.2909, 0.2588)$

Have a look what the booklet for
Yxy(19.7516, 0.2909, 0.2588)
contains.

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Color

Yxy(19.7032, 0.2910, 0.2576)

Conversions

Conversions Part 1

Format	Color
Hex	88729D
RGB	136, 114, 157
RGB Percent	53%, 45%, 62%
CMY	0.4666, 0.5529, 0.3843
CMYK	0.13, 0.27, 0.00, 0.38
HSL	271°, 18%, 53%
HSV	271°, 27%, 62%
XYZ	22.2579, 19.7032, 34.5265
YIQ	125.4800, -0.6910, 18.0370

Conversions

Conversions Part 2

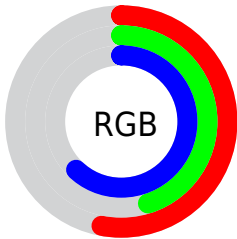
Format	Color
RYB	136, 114, 157
Decimal	8942237
CIELab	51.50, 17.24, -20.00
CIELCh	51, 26.409, 310.759
Yxy	19.7032, 0.2910, 0.2576
Android (android.graphics.Color)	4287132317 (0xFF88729D)
YUV	125.4800, 15.5394, 9.2260
Hunter-Lab	44.3883, 11.8268, -15.0457

Details

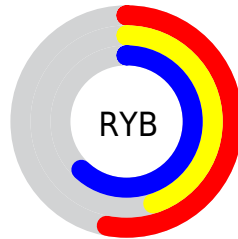
The Yxy color **19.7032, 0.2910, 0.2576** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.4769, 0.3299, 0.4008**, and the grayscale version is **20.6261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9731, 0.2962, 0.2722**, and **6.9155, 0.2812, 0.2318** is the 20% darker color. If you saturate the color by 10%, you get **15.8423, 0.2808, 0.2289**, and if you desaturate by 10%, it is **24.2195, 0.3000, 0.2852**.

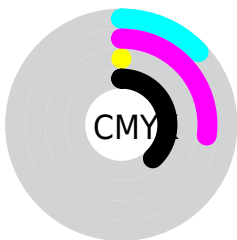
Distribution



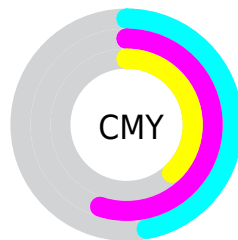
- Red (53%)
- Green (45%)
- Blue (62%)



- Red (53%)
- Yellow (45%)
- Blue (62%)



- Cyan (13%)
- Magenta (27%)
- Yellow (0%)
- Black (38%)





- Cyan (47%)
- Magenta (55%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7032, 0.2910, 0.2576 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 19.7032, 0.2910, 0.2576 by changing the saturation by 10% instead.


 19.7032, 0.2910,
0.2576


 19.7032, 0.2910,
0.2576


250.3038, 0.3039,
0.2965

 12.1795, 0.2869,
0.2467


 42.9190, 0.2962,
0.2726

 6.8660, 0.2811,
0.2321


 59.3799, 0.2980,
0.2779

 3.3785, 0.2722,
0.2113

 79.5886, 0.2995,
0.2824

 1.3324, 0.2570,
0.1799

 103.9296, 0.3007,
0.2861

 0.1661, 0.2349,
0.0674

132.7872, 0.3017,
0.2893

 0.0000, 0.0000,
0.0000

166.5459, 0.3025,

0.2920

205.5899, 0.3032,
0.2944

■ 19.7032, 0.2910,
0.2576

■ 19.7032, 0.2910,
0.2576

■ 15.8423, 0.2808,
0.2289

■ 24.2195, 0.3000,
0.2852

■ 12.6024, 0.2696,
0.2000

■ 29.4184, 0.3077,
0.3111

■ 9.9495, 0.2574,
0.1719

■ 35.3287, 0.3143,
0.3351

■ 7.8452, 0.2448,
0.1461

■ 41.9767, 0.3199,
0.3569

■ 6.2466, 0.2321,
0.1238

■ 49.3874, 0.3246,
0.3766

■ 5.1037, 0.2199,
0.1064

■ 57.5845, 0.3285,
0.3943

■ 4.3346, 0.2087,
0.0938

■ 66.5906, 0.3317,
0.4101

■ 4.1567, 0.2059,
0.0908

■ 76.4277, 0.3344,
0.4243

■ 86.9280, 0.3366,
0.4366

Harmonies

Analogous

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



19.7032, 0.2505, 0.2506



19.7032, 0.2910, 0.2576



19.7032, 0.3409, 0.2803

Triad

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



19.7032, 0.2910, 0.2576



19.7032, 0.4046, 0.3896



19.7032, 0.2433, 0.3388

Complementary

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



19.7032, 0.2910, 0.2576



30.4769, 0.3299, 0.4008

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.



19.7032, 0.2806, 0.3863



19.7032, 0.2910, 0.2576



19.7032, 0.3741, 0.4143

Square

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



19.7032, 0.2910, 0.2576



19.7032, 0.4095, 0.3529



19.7032, 0.3284, 0.4150



19.7032, 0.2247, 0.2928

Rectangle

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



19.7032, 0.2910, 0.2576



19.7032, 0.3724, 0.3019



19.7032, 0.3284, 0.4150



19.7032, 0.2540, 0.3555

Sweetspot

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



19.7040, 0.2910, 0.2576



51.9302, 0.3072, 0.3092



23.4786, 0.2702, 0.2916



11.1216, 0.3061, 0.3056



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.



19.7040, 0.2910, 0.2576



30.8350, 0.2848, 0.2398



21.6363, 0.3158, 0.2628



6.5938, 0.3064, 0.3064



3.3983, 0.2067, 0.0912



0.0859, 0.2512, 0.1157

Inverse Universe

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



20.9507, 0.3425, 0.2954



33.5223, 0.3516, 0.2874



28.9050, 0.3091, 0.4055



6.6974, 0.3212, 0.3181



6.2600, 0.4966, 0.2509



0.1205, 0.4129, 0.2048

Previews

White Background



This preview shows how the Yxy color 19.7032, 0.2910, 0.2576 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 19.7032, 0.2910, 0.2576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

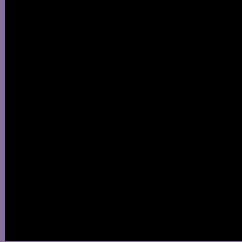
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7032, 0.2910, 0.2576

Background



This preview shows how black text looks on a background with the Yxy color 19.7032, 0.2910, 0.2576.



This preview shows how white text looks on a background with the Yxy color 19.7032, 0.2910, 0.2576.

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

19.7032, 0.2910, 0.2576

Protanopia

19.7281, 0.2613, 0.2572

Deuteranopia

19.9266, 0.2727, 0.2676



Tritanopia

19.6039, 0.3160, 0.3110

Trichromacy



Original Color

19.7032, 0.2910, 0.2576

Protanomaly

19.5599, 0.2717, 0.2567

Deuteranomaly

19.7171, 0.2799, 0.2636

Tritanomaly

19.5732, 0.3071, 0.2905

Monochromacy



Original Color

19.7032, 0.2910, 0.2576

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.1480, 0.3044, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7032, 0.2910, 0.2576 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(136, 114, 157)` looks like.

```
.text, #text, p{  
    color:rgb(136, 114, 157)  
}
```

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(136, 114, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 114, 157) }
```

Border

The CSS property to change the border of an element to Yxy 19.7032, 0.2910, 0.2576 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(136, 114, 157) }
```

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

```
.border{ border-color:rgb(136, 114, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 114, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 114, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 114, 157);  
box-shadow:4px 4px 4px 4px rgb(136, 114,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7032, 0.2910, 0.2576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 114, 157) }
```

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

```
.background{ background-color: rgb(136,  
114, 157) }
```

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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