

Converting Colors

$Y_{xy}(10.8829, 0.2632, 0.2524)$

Have a look what the booklet for
Yxy(10.8829, 0.2632, 0.2524)
contains.

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Color

Yxy(10.8192, 0.2625, 0.2516)

Conversions

Conversions Part 1

Format	Color
Hex	575A7D
RGB	87, 90, 125
RGB Percent	34%, 35%, 49%
CMY	0.6588, 0.6470, 0.5098
CMYK	0.30, 0.28, 0.00, 0.51
HSL	235°, 18%, 42%
HSV	235°, 30%, 49%
XYZ	11.2879, 10.8192, 20.8945
YIQ	93.0930, -13.0230, 10.2490

Conversions

Conversions Part 2

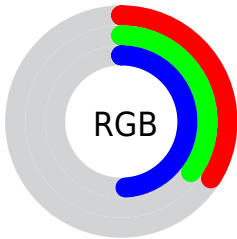
Format	Color
R _Y B	87, 90, 125
Decimal	5724797
CIE Lab	39.27, 7.52, -20.06
CIE LCh	39, 21.422, 290.547
Yxy	10.8192, 0.2625, 0.2516
Android (android.graphics.Color)	4283914877 (0xFF575A7D)
YUV	93.0930, 15.7302, -5.3436
Hunter-Lab	32.8926, 3.6949, -14.6382

Details

The Yxy color **10.8192, 0.2625, 0.2516** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.9652, 0.3579, 0.3961**, and the grayscale version is **10.9342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3738, 0.2756, 0.2705**, and **2.8497, 0.2364, 0.2160** is the 20% darker color. If you saturate the color by 10%, you get **8.4752, 0.2432, 0.2210**, and if you desaturate by 10%, it is **13.5690, 0.2807, 0.2799**.

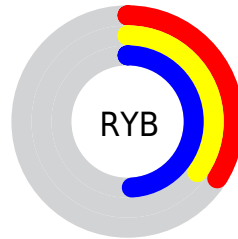
Distribution



Red (34%)

Green (35%)

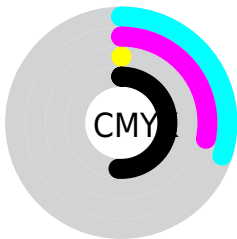
Blue (49%)



Red (34%)

Yellow (35%)

Blue (49%)

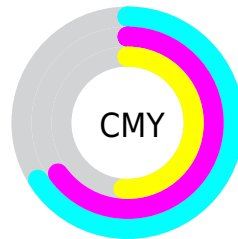


Cyan (30%)

Magenta (28%)

Yellow (0%)

Black (51%)



Cyan (66%)

Magenta (65%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.8192, 0.2625, 0.2516 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 10.8192, 0.2625, 0.2516 by changing the saturation by 10% instead.

■ 10.8192, 0.2625,
0.2516

■ 10.8192, 0.2625,
0.2516

■ 196.4229, 0.2934,
0.2979

■ 5.9454, 0.2519,
0.2366

■ 27.3254, 0.2756,
0.2707

■ 2.8119, 0.2358,
0.2146

■ 39.7265, 0.2799,
0.2772

■ 1.0343, 0.2091,
0.1801

■ 55.4055, 0.2833,
0.2823

■ 0.0000, 0.0731,
0.0000

■ 74.7468, 0.2861,
0.2866

■ 0.0000, 0.0000,
0.0000

■ 98.1348, 0.2884,
0.2901

125.9539, 0.2904,

0.2931

158.5885, 0.2920,
0.2957

■ 10.8192, 0.2625,
0.2516

■ 10.8192, 0.2625,
0.2516

■ 8.4752, 0.2432,
0.2210

■ 13.5690, 0.2807,
0.2799

■ 6.5167, 0.2232,
0.1891

■ 16.7412, 0.2973,
0.3055

■ 4.9232, 0.2037,
0.1572

■ 20.3532, 0.3122,
0.3282

■ 3.6721, 0.1858,
0.1272

■ 24.4208, 0.3254,
0.3481

■ 2.7382, 0.1708,
0.1013

■ 28.9590, 0.3370,
0.3654

■ 2.0927, 0.1597,
0.0811

■ 33.9825, 0.3472,
0.3805

■ 1.6952, 0.1522,
0.0677

■ 39.5048, 0.3561,
0.3935

■ 45.5394, 0.3639,
0.4047

■ 52.0988, 0.3707,
0.4145

Harmonies

Analogous

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



10.8192, 0.2334, 0.2568



10.8192, 0.2625, 0.2516



10.8192, 0.3069, 0.2640

Triad

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



10.8192, 0.2625, 0.2516



10.8192, 0.4102, 0.3653



10.8192, 0.2672, 0.3715

Complementary

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



10.8192, 0.2625, 0.2516



18.9652, 0.3579, 0.3961

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.



10.8192, 0.3124, 0.4079



10.8192, 0.2625, 0.2516



10.8192, 0.3963, 0.3990

Square

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



10.8192, 0.2625, 0.2516



10.8192, 0.3956, 0.3266



10.8192, 0.3598, 0.4168



10.8192, 0.2357, 0.3228

Rectangle

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



10.8192, 0.2625, 0.2516



10.8192, 0.3403, 0.2805



10.8192, 0.3598, 0.4168



10.8192, 0.2812, 0.3860

Sweetspot

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



10.8196, 0.2625, 0.2516



30.7039, 0.2991, 0.3083



18.0938, 0.2738, 0.3355



6.8140, 0.2972, 0.3054



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



10.8196, 0.2625, 0.2516



16.5788, 0.2501, 0.2320



11.1703, 0.2835, 0.2497



4.2622, 0.2993, 0.3085



1.7642, 0.1521, 0.0675



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.9142, 0.3718, 0.3231



18.9049, 0.3899, 0.3218



18.6164, 0.3358, 0.4065



4.3494, 0.3267, 0.3273



4.5726, 0.6273, 0.3230



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.8192, 0.2625, 0.2516 looks on a white 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

Black Background



This preview shows how the Yxy color 10.8192, 0.2625, 0.2516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

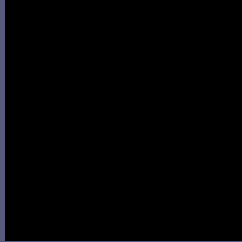
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.8192, 0.2625, 0.2516

Background



This preview shows how black text looks on a background with the Yxy color 10.8192, 0.2625, 0.2516.

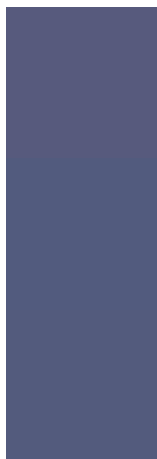


This preview shows how white text looks on a background with the Yxy color 10.8192, 0.2625, 0.2516.

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

10.8192, 0.2625, 0.2516

Protanopia

10.7824, 0.2554, 0.2507

Deuteranopia

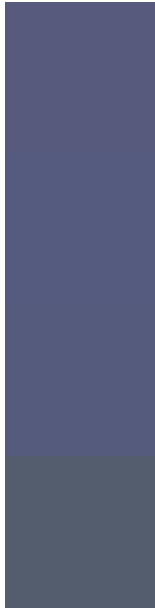
10.8018, 0.2577, 0.2529



Tritanopia

10.7586, 0.2842, 0.3095

Trichromacy



Original Color

10.8192, 0.2625, 0.2516

Protanomaly

10.8733, 0.2579, 0.2512

Deuteranomaly

10.8477, 0.2590, 0.2531

Tritanomaly

10.8393, 0.2768, 0.2889

Monochromacy



Original Color

10.8192, 0.2625, 0.2516

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.8984, 0.2930, 0.2986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8192, 0.2625, 0.2516 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(87, 90, 125)` looks like.

```
.text, #text, p{  
    color:rgb(87, 90, 125)  
}
```

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(87, 90, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 90, 125) }
```

Border

The CSS property to change the border of an element to Yxy 10.8192, 0.2625, 0.2516 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(87, 90, 125) }
```

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

```
.border{ border-color:rgb(87, 90, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 90, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 90, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 90, 125);  
box-shadow:4px 4px 4px 4px rgb(87, 90,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8192, 0.2625, 0.2516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 90, 125) }
```

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

```
.background{ background-color: rgb(87, 90,  
125) }
```

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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