

Converting Colors

$Y_{xy}(10.3948, 0.2690, 0.2136)$

Have a look what the booklet for
Yxy(10.3948, 0.2690, 0.2136)
contains.

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Color

Yxy(10.3700, 0.2682, 0.2124)

Conversions

Conversions Part 1

Format	Color
Hex	684F8A
RGB	104, 79, 138
RGB Percent	41%, 31%, 54%
CMY	0.5921, 0.6902, 0.4588
CMYK	0.25, 0.43, 0.00, 0.46
HSL	265°, 27%, 43%
HSV	265°, 43%, 54%
XYZ	13.0943, 10.3700, 25.3587
YIQ	93.2010, -4.0390, 23.6490

Conversions

Conversions Part 2

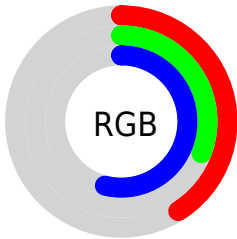
Format	Color
R_{YB}	104, 79, 138
Decimal	6836106
CIE _{Lab}	38.50, 23.33, -29.09
CIE _{LCh}	38, 37.288, 308.731
Yxy	10.3700, 0.2682, 0.2124
Android (android.graphics.Color)	4285026186 (0xFF684F8A)
YUV	93.2010, 22.0859, 9.4707
Hunter-Lab	32.2025, 16.2281, -24.1477

Details

The Yxy color **10.3700, 0.2682, 0.2124** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.2527, 0.3438, 0.4421**, and the grayscale version is **10.9444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5742, 0.2799, 0.2394**, and **2.6609, 0.2426, 0.1652** is the 20% darker color. If you saturate the color by 10%, you get **8.1286, 0.2546, 0.1828**, and if you desaturate by 10%, it is **13.0704, 0.2808, 0.2420**.

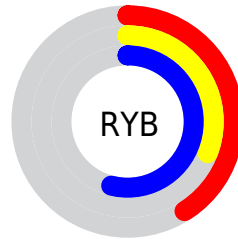
Distribution



Red (41%)

Green (31%)

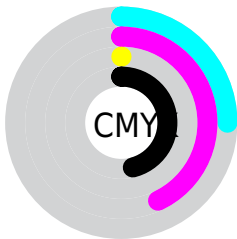
Blue (54%)



Red (41%)

Yellow (31%)

Blue (54%)

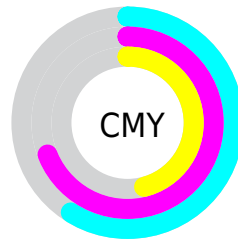


Cyan (25%)

Magenta (43%)

Yellow (0%)

Black (46%)



Cyan (59%)


Magenta (69%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3700, 0.2682, 0.2124 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 10.3700, 0.2682, 0.2124 by changing the saturation by 10% instead.


 10.3700, 0.2682,
0.2124


 10.3700, 0.2682,
0.2124


193.2928, 0.2966,
0.2795


 5.6450, 0.2581,
0.1924


 26.4891, 0.2805,
0.2391


 2.6304, 0.2426,
0.1648

 38.6520, 0.2845,
0.2484


 0.9420, 0.2170,
0.1254

 54.0630, 0.2876,
0.2560

 0.0000, 0.1604,
0.0000

 73.1065, 0.2901,
0.2623

 0.0000, 0.0000,
0.0000

 96.1668, 0.2922,
0.2676

123.6283, 0.2939,

0.2722

155.8755, 0.2954,
0.2761

■ 10.3700, 0.2682,
0.2124

■ 10.3700, 0.2682,
0.2124

■ 8.1286, 0.2546,
0.1828

■ 13.0704, 0.2808,
0.2420

■ 6.3180, 0.2403,
0.1545

■ 16.2533, 0.2920,
0.2707

■ 4.9086, 0.2258,
0.1290

■ 19.9420, 0.3020,
0.2976

■ 3.8663, 0.2119,
0.1078

■ 24.1581, 0.3106,
0.3225

■ 3.1515, 0.1992,
0.0919

■ 28.9216, 0.3179,
0.3452

■ 2.7506, 0.1908,
0.0825

■ 34.2517, 0.3242,
0.3656

■ 40.1665, 0.3294,
0.3840

■ 46.6835, 0.3339,
0.4003

■ 53.8192, 0.3376,
0.4148

Harmonies

Analogous

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



10.3700, 0.2058, 0.2016



10.3700, 0.2682, 0.2124



10.3700, 0.3534, 0.2458

Triad

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



10.3700, 0.2682, 0.2124



10.3700, 0.4691, 0.4172



10.3700, 0.1987, 0.3488

Complementary

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



10.3700, 0.2682, 0.2124



22.2527, 0.3438, 0.4421

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.



10.3700, 0.2589, 0.4403



10.3700, 0.2682, 0.2124



10.3700, 0.4152, 0.4700

Square

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



10.3700, 0.2682, 0.2124



10.3700, 0.4798, 0.3557



10.3700, 0.3383, 0.4871



10.3700, 0.1702, 0.2662

Rectangle

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



10.3700, 0.2682, 0.2124



10.3700, 0.4111, 0.2781



10.3700, 0.3383, 0.4871



10.3700, 0.2155, 0.3808

Sweetspot

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



10.3704, 0.2682, 0.2124



34.7894, 0.3015, 0.2963



15.4008, 0.2482, 0.2777



7.5040, 0.2996, 0.2911



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



10.3704, 0.2682, 0.2124



14.5675, 0.2555, 0.1848



12.4199, 0.3102, 0.2257



4.9891, 0.3052, 0.3069



2.5299, 0.1911, 0.0827



0.0251, 0.2407, 0.1100

Inverse Universe

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



12.1866, 0.3569, 0.2675



18.3065, 0.3709, 0.2548



20.6241, 0.3116, 0.4542



5.0937, 0.3197, 0.3165



5.4810, 0.4592, 0.2303



0.0393, 0.3861, 0.1901

Previews

White Background



This preview shows how the Yxy color 10.3700, 0.2682, 0.2124 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 10.3700, 0.2682, 0.2124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

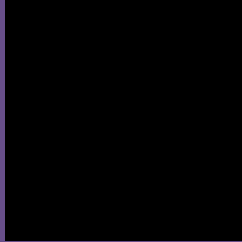
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3700, 0.2682, 0.2124

Background



This preview shows how black text looks on a background with the Yxy color 10.3700, 0.2682, 0.2124.



This preview shows how white text looks on a background with the Yxy color 10.3700, 0.2682, 0.2124.

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

10.3700, 0.2682, 0.2124

Protanopia

10.4803, 0.2212, 0.2066

Deuteranopia

10.4295, 0.2332, 0.2274



Tritanopia

10.2925, 0.3151, 0.3125

Trichromacy



Original Color

10.3700, 0.2682, 0.2124

Protanomaly

10.2599, 0.2350, 0.2065

Deuteranomaly

10.3007, 0.2440, 0.2203

Tritanomaly

10.2973, 0.2965, 0.2710

Monochromacy



Original Color

10.3700, 0.2682, 0.2124

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.6250, 0.2963, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3700, 0.2682, 0.2124 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(104, 79, 138)` looks like.

```
.text, #text, p{  
    color:rgb(104, 79, 138)  
}
```

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(104, 79, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 79, 138) }
```

Border

The CSS property to change the border of an element to Yxy 10.3700, 0.2682, 0.2124 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(104, 79, 138) }
```

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

```
.border{ border-color:rgb(104, 79, 138) }
```

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

Here you see how a box with a 4 pixel rgb(104, 79, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 79, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 79, 138);  
box-shadow:4px 4px 4px 4px rgb(104, 79,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3700, 0.2682, 0.2124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 79, 138) }
```

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

```
.background{ background-color: rgb(104, 79,  
138) }
```

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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