

Converting Colors

$Y_{xy}(21.2263, 0.3653, 0.2806)$

Have a look what the booklet for
Yxy(21.2263, 0.3653, 0.2806)
contains.

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Color

Yxy(21.1682, 0.3653, 0.2808)

Conversions

Conversions Part 1

Format	Color
Hex	B0698A
RGB	176, 105, 138
RGB Percent	69%, 41%, 54%
CMY	0.3099, 0.5881, 0.4588
CMYK	0.00, 0.40, 0.22, 0.31
HSL	332°, 31%, 55%
HSV	332°, 40%, 69%
XYZ	27.5383, 21.1682, 26.6789
YIQ	129.9910, 31.7230, 25.3150

Conversions

Conversions Part 2

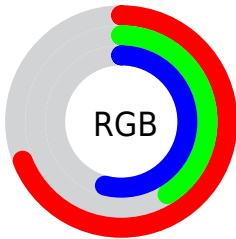
Format	Color
RYB	176, 105, 138
Decimal	11561354
CIELab	53.13, 32.87, -5.96
CIELCh	53, 33.401, 349.729
Yxy	21.1682, 0.3653, 0.2808
Android (android.graphics.Color)	4289751434 (0xFFB0698A)
YUV	129.9910, 3.9484, 40.3499
Hunter-Lab	46.0089, 26.3241, -2.1738

Details

The Yxy color **21.1682, 0.3653, 0.2808** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.0262, 0.2802, 0.3837**, and the grayscale version is **22.2982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1992, 0.3544, 0.2909**, and **7.5745, 0.3868, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **17.6859, 0.3849, 0.2693**, and if you desaturate by 10%, it is **25.4179, 0.3485, 0.2930**.

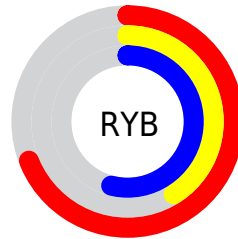
Distribution



Red (69%)

Green (41%)

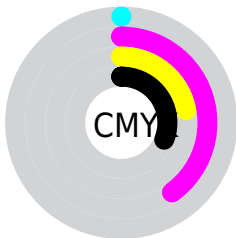
Blue (54%)



Red (69%)

Yellow (41%)

Blue (54%)

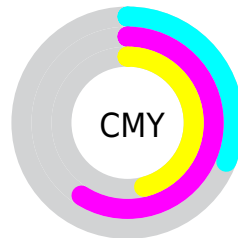


Cyan (0%)

Magenta (40%)

Yellow (22%)

Black (31%)



Cyan (31%)


Magenta (59%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1682, 0.3653, 0.2808 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 21.1682, 0.3653, 0.2808 by changing the saturation by 10% instead.


 21.1682, 0.3653,
0.2808


 21.1682, 0.3653,
0.2808


258.1710, 0.3360,
0.3072


 13.2470, 0.3738,
0.2733


 45.3673, 0.3538,
0.2910


 7.5989, 0.3856,
0.2631


 62.4140, 0.3498,
0.2947

 3.8394, 0.4028,
0.2485

 83.2713, 0.3465,
0.2977

 1.5841, 0.4307,
0.2256

 108.3236, 0.3437,
0.3002

 0.3469, 0.5056,
0.1503

137.9554, 0.3413,
0.3023

 0.0000, 1.0000,
0.0000

172.5509, 0.3393,

 0.0000, 0.0000,

0.3042

0.0000

212.4947, 0.3376,
0.3058

■ 21.1682, 0.3653,
0.2808

■ 21.1682, 0.3653,
0.2808

■ 17.6859, 0.3849,
0.2693

■ 25.4179, 0.3485,
0.2930

■ 14.9213, 0.4073,
0.2596

■ 30.4746, 0.3345,
0.3054

■ 12.8235, 0.4322,
0.2526


■ 36.3790, 0.3227,
0.3173


■ 11.3337, 0.4586,
0.2498


■ 43.1679, 0.3130,
0.3287

■ 10.3824, 0.4851,
0.2520

■ 50.8761, 0.3050,
0.3392

 9.8326, 0.5100,
0.2583

 59.5363, 0.2983,
0.3490

 69.1799, 0.2929,
0.3580

 79.8366, 0.2883,
0.3663

 86.0612, 0.2840,
0.3651

Harmonies

Analogous

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



21.1682, 0.3032, 0.2494



21.1682, 0.3653, 0.2808



21.1682, 0.4153, 0.3234

Triad

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



21.1682, 0.3653, 0.2808



21.1682, 0.3711, 0.4384



21.1682, 0.2047, 0.2699

Complementary

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



21.1682, 0.3653, 0.2808



36.0262, 0.2802, 0.3837

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.



21.1682, 0.2189, 0.3217



21.1682, 0.3653, 0.2808



21.1682, 0.3127, 0.4302

Square

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



21.1682, 0.3653, 0.2808



21.1682, 0.4164, 0.4128



21.1682, 0.2572, 0.3842



21.1682, 0.2153, 0.2407

Rectangle

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



21.1682, 0.3653, 0.2808



21.1682, 0.4319, 0.3546



21.1682, 0.2572, 0.3842



21.1682, 0.2066, 0.2849

Sweetspot

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



21.1692, 0.3653, 0.2808



63.8567, 0.3248, 0.3151



19.0683, 0.2789, 0.2199



13.5358, 0.3262, 0.3136



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



21.1692, 0.3653, 0.2808



32.9380, 0.3818, 0.2709



20.8432, 0.4111, 0.3328



8.5688, 0.3217, 0.3185



7.2287, 0.5076, 0.2570



0.2393, 0.4425, 0.2211

Inverse Universe

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



21.1692, 0.3653, 0.2808



32.9380, 0.3818, 0.2709



36.2575, 0.2575, 0.3251



8.5688, 0.3217, 0.3185



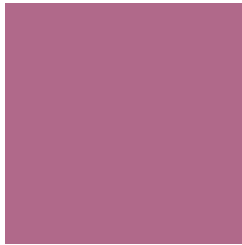
7.2287, 0.5076, 0.2570



0.2393, 0.4425, 0.2211

Previews

White Background



This preview shows how the Yxy color 21.1682, 0.3653, 0.2808 looks on a white background.

Color Contrast Check

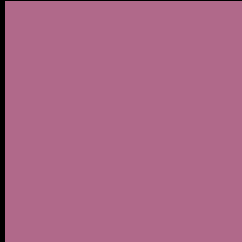
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1682, 0.3653, 0.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

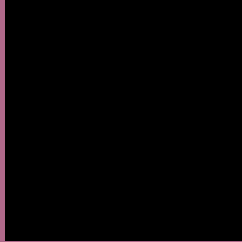
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1682, 0.3653, 0.2808

Background



This preview shows how black text looks on a background with the Yxy color 21.1682, 0.3653, 0.2808.



This preview shows how white text looks on a background with the Yxy color 21.1682, 0.3653, 0.2808.

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

21.1682, 0.3653, 0.2808

Protanopia

21.3263, 0.2814, 0.2836

Deuteranopia

21.3988, 0.3148, 0.3100



Tritanopia

21.2203, 0.3906, 0.3172

Trichromacy



Original Color

21.1682, 0.3653, 0.2808

Protanomaly

20.8142, 0.3089, 0.2808

Deuteranomaly

21.0795, 0.3330, 0.2979

Tritanomaly

21.3198, 0.3811, 0.3038

Monochromacy



Original Color

21.1682, 0.3653, 0.2808

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.5712, 0.3309, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1682, 0.3653, 0.2808 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(176, 105, 138)` looks like.

```
.text, #text, p{  
    color:rgb(176, 105, 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(176, 105, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 105, 138) }
```

Border

The CSS property to change the border of an element to Yxy 21.1682, 0.3653, 0.2808 is called "border". The border property can be set on classes, ids or directly on the HTML element.

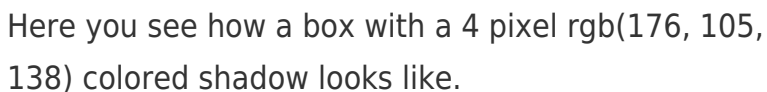
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 105, 138) }
```

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

```
.border{ border-color:rgb(176, 105, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 105, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 105, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 105, 138); box-shadow:4px 4px 4px 4px rgb(176, 105, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1682, 0.3653, 0.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 105, 138) }
```

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

```
.background{ background-color: rgb(176,  
105, 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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