

Converting Colors

$Y_{xy}(20.9209, 0.3692, 0.2809)$

Have a look what the booklet for
Yxy(20.9209, 0.3692, 0.2809)
contains.

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Color

Yxy(20.8252, 0.3700, 0.2810)

Conversions

Conversions Part 1

Format	Color
Hex	B16788
RGB	177, 103, 136
RGB Percent	69%, 40%, 53%
CMY	0.3060, 0.5960, 0.4667
CMYK	0.00, 0.42, 0.23, 0.31
HSL	333°, 32%, 55%
HSV	333°, 42%, 69%
XYZ	27.4211, 20.8252, 25.8648
YIQ	128.8880, 33.5110, 25.9510

Conversions

Conversions Part 2

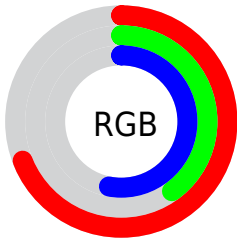
Format	Color
R_{YB}	177, 103, 136
Decimal	11626376
CIE _{Lab}	52.76, 34.01, -5.32
CIE _{LCh}	53, 34.428, 351.116
Yxy	20.8252, 0.3700, 0.2810
Android (android.graphics.Color)	4289816456 (0xFFB16788)
YUV	128.8880, 3.5062, 42.1942
Hunter-Lab	45.6346, 27.3970, -1.6601

Details

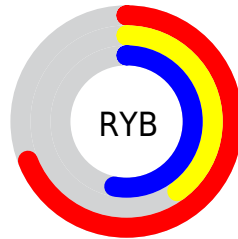
The Yxy color $20.8252, 0.3700, 0.2810$ is a dark color, and the websafe version is hex $CC6699$. A complement of this color would be $36.3330, 0.2782, 0.3837$, and the grayscale version is $21.8915, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.6092, 0.3577, 0.2910$, and $7.3557, 0.3924, 0.2629$ is the 20% darker color. If you saturate the color by 10%, you get $17.4034, 0.3909, 0.2702$, and if you desaturate by 10%, it is $25.0197, 0.3522, 0.2927$.

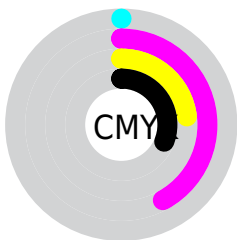
Distribution



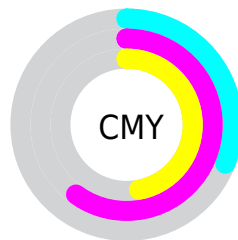
- Red (69%)
- Green (40%)
- Blue (53%)



- Red (69%)
- Yellow (40%)
- Blue (53%)



- Cyan (0%)
- Magenta (42%)
- Yellow (23%)
- Black (31%)





- Cyan (31%)
- Magenta (60%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8252, 0.3700, 0.2810 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 20.8252, 0.3700, 0.2810 by changing the saturation by 10% instead.


 20.8252, 0.3700,
0.2810


 20.8252, 0.3700,
0.2810


256.3481, 0.3380,
0.3074


 12.9963, 0.3794,
0.2735


 44.7964, 0.3574,
0.2912

 7.4260, 0.3923,
0.2632


 61.7076, 0.3530,
0.2949

 3.7299, 0.4115,
0.2483

 82.4149, 0.3494,
0.2979

 1.5237, 0.4426,
0.2250

 107.3028, 0.3463,
0.3004

 0.3053, 0.5331,
0.1412

136.7556, 0.3438,
0.3026

 0.0000, 1.0000,
0.0000

171.1579, 0.3416,

 0.0000, 0.0000,

0.3044

0.0000

210.8939, 0.3396,
0.3060

■ 20.8252, 0.3700,
0.2810

■ 20.8252, 0.3700,
0.2810

■ 17.4034, 0.3909,
0.2702

■ 25.0197, 0.3522,
0.2927

■ 14.7031, 0.4147,
0.2612

■ 30.0277, 0.3372,
0.3046

■ 12.6719, 0.4410,
0.2552


■ 35.8908, 0.3247,
0.3161

■ 11.2484, 0.4687,
0.2535


■ 42.6470, 0.3144,
0.3271

■ 10.3603, 0.4962,
0.2569


■ 50.3318, 0.3058,
0.3374

 9.9074, 0.5181,
0.2628

 58.9788, 0.2988,
0.3469

 68.6199, 0.2930,
0.3556

 79.2857, 0.2883,
0.3636

 86.2599, 0.2838,
0.3633

Harmonies

Analogous

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



20.8252, 0.3057, 0.2480



20.8252, 0.3700, 0.2810



20.8252, 0.4208, 0.3251

Triad

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



20.8252, 0.3700, 0.2810



20.8252, 0.3703, 0.4429



20.8252, 0.2012, 0.2657

Complementary

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



20.8252, 0.3700, 0.2810



36.3330, 0.2782, 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.



20.8252, 0.2145, 0.3183



20.8252, 0.3700, 0.2810



20.8252, 0.3096, 0.4328

Square

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



20.8252, 0.3700, 0.2810



20.8252, 0.4182, 0.4171



20.8252, 0.2528, 0.3834



20.8252, 0.2133, 0.2369

Rectangle

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



20.8252, 0.3700, 0.2810



20.8252, 0.4368, 0.3573



20.8252, 0.2528, 0.3834



20.8252, 0.2028, 0.2808

Sweetspot

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



20.8262, 0.3700, 0.2810



62.6964, 0.3263, 0.3145



18.7798, 0.2787, 0.2160



13.0762, 0.3289, 0.3120



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.



20.8262, 0.3700, 0.2810



31.6949, 0.3888, 0.2711



20.7806, 0.4157, 0.3348



8.5661, 0.3220, 0.3189



7.1923, 0.5154, 0.2613



0.2381, 0.4478, 0.2240

Inverse Universe

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



20.8262, 0.3700, 0.2810



31.6949, 0.3888, 0.2711



36.0518, 0.2556, 0.3230



8.5661, 0.3220, 0.3189



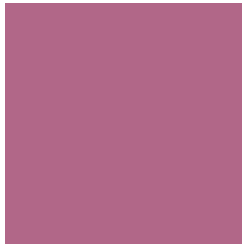
7.1923, 0.5154, 0.2613



0.2381, 0.4478, 0.2240

Previews

White Background



This preview shows how the Yxy color 20.8252, 0.3700, 0.2810 looks on a white background.

Color Contrast Check

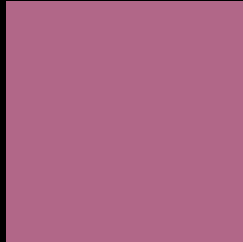
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8252, 0.3700, 0.2810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

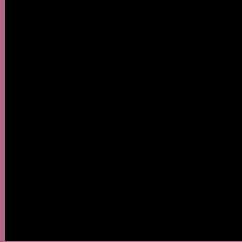
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8252, 0.3700, 0.2810

Background



This preview shows how black text looks on a background with the Yxy color 20.8252, 0.3700, 0.2810.



This preview shows how white text looks on a background with the Yxy color 20.8252, 0.3700, 0.2810.

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

20.8252, 0.3700, 0.2810

Protanopia

20.9342, 0.2821, 0.2850

Deuteranopia

21.0936, 0.3172, 0.3116



Tritanopia

20.8672, 0.3958, 0.3173

Trichromacy



Original Color

20.8252, 0.3700, 0.2810

Protanomaly

20.4296, 0.3100, 0.2820

Deuteranomaly

20.7913, 0.3357, 0.2994

Tritanomaly

20.9682, 0.3861, 0.3040

Monochromacy



Original Color

20.8252, 0.3700, 0.2810

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.2099, 0.3311, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8252, 0.3700, 0.2810 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(177, 103, 136)` looks like.

```
.text, #text, p{  
    color:rgb(177, 103, 136)  
}
```

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(177, 103, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 103, 136) }
```

Border

The CSS property to change the border of an element to Yxy 20.8252, 0.3700, 0.2810 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(177, 103, 136) }
```

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

```
.border{ border-color:rgb(177, 103, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 103, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 103, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 103, 136);  
box-shadow:4px 4px 4px 4px rgb(177, 103,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8252, 0.3700, 0.2810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 103, 136) }
```

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

```
.background{ background-color: rgb(177,  
103, 136) }
```

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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