

Converting Colors

$Y_{xy}(20.8720, 0.3799, 0.2859)$

Have a look what the booklet for
Yxy(20.8720, 0.3799, 0.2859)
contains.

Yxy(20.8720, 0.3799, 0.2859)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.8720, 0.3799, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	B46684
RGB	180, 102, 132
RGB Percent	71%, 40%, 52%
CMY	0.2942, 0.5999, 0.4823
CMYK	0.00, 0.43, 0.27, 0.29
HSL	337°, 34%, 55%
HSV	337°, 43%, 71%
XYZ	27.7344, 20.8720, 24.3981
YIQ	128.7420, 36.8580, 25.8660

Conversions

Conversions Part 2

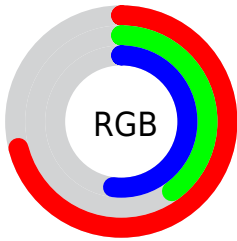
Format	Color
RYB	180, 102, 132
Decimal	11822724
CIELab	52.81, 35.05, -2.84
CIELCh	53, 35.161, 355.366
Yxy	20.8720, 0.3799, 0.2859
Android (android.graphics.Color)	4290012804 (0xFFB46684)
YUV	128.7420, 1.6062, 44.9533
Hunter-Lab	45.6859, 28.4113, 0.3168

Details

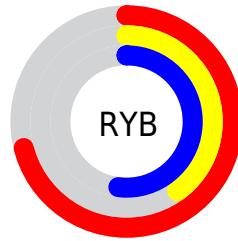
The Yxy color $20.8720, 0.3799, 0.2859$ is a dark color, and the websafe version is hex $CC6699$. A complement of this color would be $37.6600, 0.2740, 0.3780$, and the grayscale version is $21.8440, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.9500, 0.3645, 0.2957$, and $7.4405, 0.4058, 0.2685$ is the 20% darker color. If you saturate the color by 10%, you get $17.4232, 0.4041, 0.2768$, and if you desaturate by 10%, it is $25.1230, 0.3593, 0.2960$.

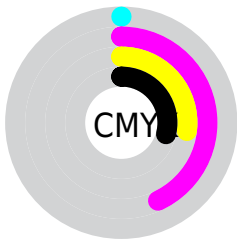
Distribution



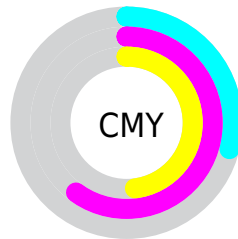
- Red (71%)
- Green (40%)
- Blue (52%)



- Red (71%)
- Yellow (40%)
- Blue (52%)



- Cyan (0%)
- Magenta (43%)
- Yellow (27%)
- Black (29%)





- Cyan (29%)
- Magenta (60%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8720, 0.3799, 0.2859 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 20.8720, 0.3799, 0.2859 by changing the saturation by 10% instead.


 20.8720, 0.3799,
0.2859


 20.8720, 0.3799,
0.2859


256.5975, 0.3421,
0.3099


 13.0305, 0.3910,
0.2790


 44.8744, 0.3650,
0.2953

 7.4495, 0.4065,
0.2694


 61.8041, 0.3598,
0.2986

 3.7448, 0.4295,
0.2554

 82.5319, 0.3555,
0.3013

 1.5318, 0.4670,
0.2331

 107.4423, 0.3519,
0.3036

 0.3110, 0.5840,
0.1525

136.9197, 0.3489,
0.3055

 0.0000, 1.0000,
0.0000

171.3484, 0.3463,

 0.0000, 0.0000,

0.3072

0.0000

211.1129, 0.3441,
0.3086

■ 20.8720, 0.3799,
0.2859

■ 20.8720, 0.3799,
0.2859

■ 17.4232, 0.4041,
0.2768

■ 25.1230, 0.3593,
0.2960

■ 14.7223, 0.4317,
0.2696

■ 30.2198, 0.3421,
0.3063

■ 12.7131, 0.4620,
0.2656


■ 36.2063, 0.3278,
0.3164

■ 11.3300, 0.4936,
0.2659


■ 43.1228, 0.3161,
0.3260


■ 10.4946, 0.5242,
0.2713


■ 51.0069, 0.3065,
0.3349

 10.1327, 0.5436,
0.2768

 59.8941, 0.2986,
0.3432

 69.8181, 0.2921,
0.3508

 80.8111, 0.2867,
0.3577

 87.0282, 0.2816,
0.3547

Harmonies

Analogous

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



20.8720, 0.3147, 0.2504



20.8720, 0.3799, 0.2859



20.8720, 0.4279, 0.3317

Triad

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



20.8720, 0.3799, 0.2859



20.8720, 0.3628, 0.4464



20.8720, 0.1994, 0.2586

Complementary

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



20.8720, 0.3799, 0.2859



37.6600, 0.2740, 0.3780

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.



20.8720, 0.2091, 0.3091



20.8720, 0.3799, 0.2859



20.8720, 0.3005, 0.4302

Square

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



20.8720, 0.3799, 0.2859



20.8720, 0.4146, 0.4239



20.8720, 0.2446, 0.3753



20.8720, 0.2152, 0.2331

Rectangle

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



20.8720, 0.3799, 0.2859



20.8720, 0.4405, 0.3645



20.8720, 0.2446, 0.3753



20.8720, 0.1998, 0.2728

Sweetspot

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



20.8730, 0.3799, 0.2859



65.7776, 0.3277, 0.3165



19.1710, 0.2815, 0.2129



13.6734, 0.3306, 0.3143



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.8730, 0.3799, 0.2859



31.8388, 0.4030, 0.2771



21.7721, 0.4189, 0.3407



8.5576, 0.3229, 0.3203



7.0865, 0.5405, 0.2751



0.2346, 0.4652, 0.2337

Inverse Universe

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



20.8730, 0.3799, 0.2859



31.8388, 0.4030, 0.2771



35.6935, 0.2528, 0.3166



8.5576, 0.3229, 0.3203



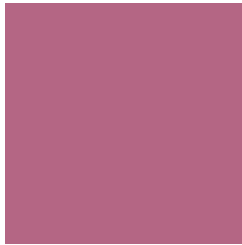
7.0865, 0.5405, 0.2751



0.2346, 0.4652, 0.2337

Previews

White Background



This preview shows how the Yxy color 20.8720, 0.3799, 0.2859 looks on a white background.

Color Contrast Check

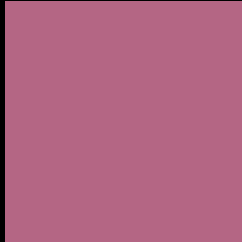
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8720, 0.3799, 0.2859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

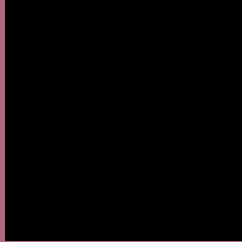
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8720, 0.3799, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 20.8720, 0.3799, 0.2859.



This preview shows how white text looks on a background with the Yxy color 20.8720, 0.3799, 0.2859.

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

20.8720, 0.3799, 0.2859

Protanopia

21.2392, 0.2873, 0.2920

Deuteranopia

21.1277, 0.3254, 0.3203



Tritanopia

20.7604, 0.4036, 0.3175

Trichromacy



Original Color

20.8720, 0.3799, 0.2859

Protanomaly

20.6049, 0.3171, 0.2873

Deuteranomaly

20.6188, 0.3448, 0.3060

Tritanomaly

20.8404, 0.3952, 0.3058

Monochromacy



Original Color

20.8720, 0.3799, 0.2859

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.1013, 0.3362, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8720, 0.3799, 0.2859 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(180, 102, 132)` looks like.

```
.text, #text, p{  
    color:rgb(180, 102, 132)  
}
```

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(180, 102, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 102, 132) }
```

Border

The CSS property to change the border of an element to Yxy 20.8720, 0.3799, 0.2859 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(180, 102, 132) }
```

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

```
.border{ border-color:rgb(180, 102, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 102, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 102, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 102, 132);  
box-shadow:4px 4px 4px 4px rgb(180, 102,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8720, 0.3799, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 102, 132) }
```

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

```
.background{ background-color: rgb(180,  
102, 132) }
```

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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