

Converting Colors

$Y_{xy}(20.1001, 0.3782, 0.2838)$

Have a look what the booklet for
Yxy(20.1001, 0.3782, 0.2838)
contains.

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Color

Yxy(20.1001, 0.3782, 0.2838)

Conversions

Conversions Part 1

Format	Color
Hex	B16483
RGB	177, 100, 131
RGB Percent	69%, 39%, 51%
CMY	0.3059, 0.6078, 0.4863
CMYK	0.00, 0.44, 0.26, 0.31
HSL	336°, 33%, 54%
HSV	336°, 44%, 69%
XYZ	26.7860, 20.1001, 23.9388
YIQ	126.5570, 35.9410, 25.9650

Conversions

Conversions Part 2

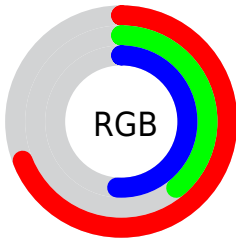
Format	Color
R_{YB}	177, 100, 131
Decimal	11625603
CIE _{Lab}	51.95, 34.92, -3.55
CIE _{LCh}	52, 35.105, 354.188
Yxy	20.1001, 0.3782, 0.2838
Android (android.graphics.Color)	4289815683 (0xFFB16483)
YUV	126.5570, 2.1904, 44.2385
Hunter-Lab	44.8331, 28.1885, -0.2749

Details

The Yxy color **20.1001, 0.3782, 0.2838** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **36.2317, 0.2748, 0.3805**, and the grayscale version is **21.0474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4096, 0.3633, 0.2931**, and **7.0280, 0.4035, 0.2653** is the 20% darker color. If you saturate the color by 10%, you get **16.7942, 0.4016, 0.2743**, and if you desaturate by 10%, it is **24.1748, 0.3583, 0.2943**.

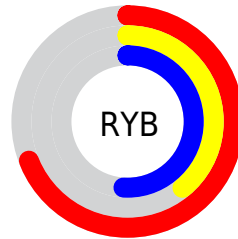
Distribution



Red (69%)

Green (39%)

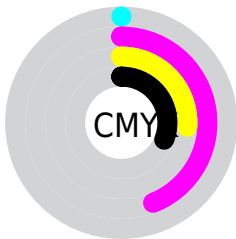
Blue (51%)



Red (69%)

Yellow (39%)

Blue (51%)

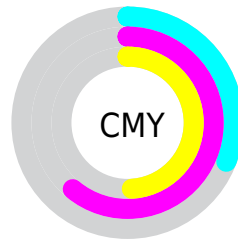


Cyan (0%)

Magenta (44%)

Yellow (26%)

Black (31%)



Cyan (31%)


Magenta (61%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1001, 0.3782, 0.2838 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 20.1001, 0.3782, 0.2838 by changing the saturation by 10% instead.


 20.1001, 0.3782,
0.2838


 20.1001, 0.3782,
0.2838


252.4565, 0.3412,
0.3090

 12.4678, 0.3892,
0.2765


 43.5849, 0.3636,
0.2937

 7.0631, 0.4045,
0.2664


 60.2063, 0.3585,
0.2971

 3.5016, 0.4273,
0.2516

 80.5928, 0.3543,
0.3000

 1.3989, 0.4649,
0.2279

 105.1289, 0.3508,
0.3024

 0.2159, 0.6062,
0.1215

134.1989, 0.3479,
0.3044

 0.0000, 1.0000,
0.0000

168.1872, 0.3453,

 0.0000, 0.0000,

0.3062

0.0000

207.4783, 0.3431,
0.3077

■ 20.1001, 0.3782,
0.2838

■ 20.1001, 0.3782,
0.2838

■ 16.7942, 0.4016,
0.2743

■ 24.1748, 0.3583,
0.2943

■ 14.2051, 0.4282,
0.2667

■ 29.0603, 0.3415,
0.3051

■ 12.2788, 0.4575,
0.2624


■ 34.7987, 0.3277,
0.3156

■ 10.9524, 0.4879,
0.2624

■ 41.4285, 0.3162,
0.3256


■ 10.1504, 0.5176,
0.2675

■ 48.9858, 0.3068,
0.3350

 9.8058, 0.5361,
0.2727

 57.5048, 0.2991,
0.3437

 67.0177, 0.2927,
0.3517

 77.5555, 0.2875,
0.3590

 86.3687, 0.2828,
0.3611

Harmonies

Analogous

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



20.1001, 0.3120, 0.2486



20.1001, 0.3782, 0.2838



20.1001, 0.4279, 0.3298

Triad

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



20.1001, 0.3782, 0.2838



20.1001, 0.3656, 0.4474



20.1001, 0.1982, 0.2594

Complementary

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



20.1001, 0.3782, 0.2838



36.2317, 0.2748, 0.3805

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.



20.1001, 0.2090, 0.3113



20.1001, 0.3782, 0.2838



20.1001, 0.3028, 0.4329

Square

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



20.1001, 0.3782, 0.2838



20.1001, 0.4172, 0.4234



20.1001, 0.2458, 0.3785



20.1001, 0.2132, 0.2327

Rectangle

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



20.1001, 0.3782, 0.2838



20.1001, 0.4416, 0.3628



20.1001, 0.2458, 0.3785



20.1001, 0.1989, 0.2740

Sweetspot

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



20.1011, 0.3782, 0.2838



62.6309, 0.3273, 0.3159



18.3018, 0.2799, 0.2120



13.0600, 0.3301, 0.3137



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.



20.1011, 0.3782, 0.2838



30.4021, 0.4000, 0.2748



20.6626, 0.4203, 0.3388



8.5601, 0.3226, 0.3199



7.1155, 0.5333, 0.2711



0.2356, 0.4601, 0.2308

Inverse Universe

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



20.1011, 0.3782, 0.2838



30.4021, 0.4000, 0.2748



34.8547, 0.2530, 0.3186



8.5601, 0.3226, 0.3199



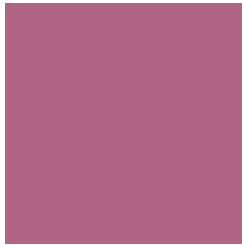
7.1155, 0.5333, 0.2711



0.2356, 0.4601, 0.2308

Previews

White Background



This preview shows how the Yxy color 20.1001, 0.3782, 0.2838 looks on a white background.

Color Contrast Check

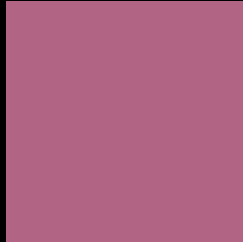
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1001, 0.3782, 0.2838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

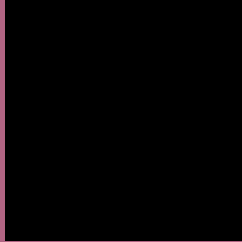
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1001, 0.3782, 0.2838

Background



This preview shows how black text looks on a background with the Yxy color 20.1001, 0.3782, 0.2838.



This preview shows how white text looks on a background with the Yxy color 20.1001, 0.3782, 0.2838.

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

20.1001, 0.3782, 0.2838

Protanopia

20.2343, 0.2848, 0.2878

Deuteranopia

20.3579, 0.3231, 0.3184



Tritanopia

20.1623, 0.4032, 0.3188

Trichromacy



Original Color

20.1001, 0.3782, 0.2838

Protanomaly

19.8473, 0.3148, 0.2850

Deuteranomaly

19.8528, 0.3427, 0.3040

Tritanomaly

20.2386, 0.3947, 0.3069

Monochromacy



Original Color

20.1001, 0.3782, 0.2838

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.3008, 0.3353, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1001, 0.3782, 0.2838 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, 100, 131)` looks like.

```
.text, #text, p{  
    color:rgb(177, 100, 131)  
}
```

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, 100, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 100, 131) }
```

Border

The CSS property to change the border of an element to Yxy 20.1001, 0.3782, 0.2838 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, 100, 131) }
```

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

```
.border{ border-color:rgb(177, 100, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 100, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 100, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 100, 131);  
box-shadow:4px 4px 4px 4px rgb(177, 100,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1001, 0.3782, 0.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 100, 131) }
```

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

```
.background{ background-color: rgb(177,  
100, 131) }
```

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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