

Converting Colors

$Y_{xy}(20.7136, 0.3245, 0.1883)$

Have a look what the booklet for
Yxy(20.7136, 0.3245, 0.1883)
contains.

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Color

Yxy(20.7170, 0.3242, 0.1880)

Conversions

Conversions Part 1

Format	Color
Hex	C748C3
RGB	199, 72, 195
RGB Percent	78%, 28%, 76%
CMY	0.2195, 0.7177, 0.2352
CMYK	0.00, 0.64, 0.02, 0.22
HSL	302°, 53%, 53%
HSV	302°, 64%, 78%
XYZ	35.7258, 20.7170, 53.7540
YIQ	123.9950, 36.2090, 65.1770

Conversions

Conversions Part 2

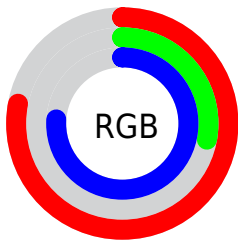
Format	Color
R_{YB}	199, 72, 195
Decimal	13060291
CIE _{Lab}	52.64, 64.99, -39.73
CIE _{LCh}	53, 76.168, 328.562
Yxy	20.7170, 0.3242, 0.1880
Android (android.graphics.Color)	4291250371 (0xFFC748C3)
YUV	123.9950, 35.0055, 65.7794
Hunter-Lab	45.5159, 60.4531, -38.1599

Details

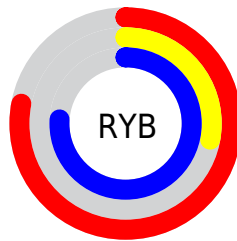
The Yxy color **20.7170, 0.3242, 0.1880** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **42.7545, 0.3014, 0.5281**, and the grayscale version is **20.0250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.9888, 0.3209, 0.2118**, and **7.6739, 0.3226, 0.1551** is the 20% darker color. If you saturate the color by 10%, you get **18.5204, 0.3258, 0.1745**, and if you desaturate by 10%, it is **23.7482, 0.3224, 0.2053**.

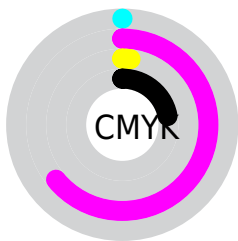
Distribution



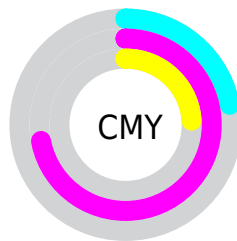
- Red (78%)
- Green (28%)
- Blue (76%)



- Red (78%)
- Yellow (28%)
- Blue (76%)



- Cyan (0%)
- Magenta (64%)
- Yellow (2%)
- Black (22%)





- Cyan (22%)
- Magenta (72%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7170, 0.3242, 0.1880 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 20.7170, 0.3242, 0.1880 by changing the saturation by 10% instead.


 20.7170, 0.3242,
0.1880


 20.7170, 0.3242,
0.1880


255.7707, 0.3214,
0.2575

 12.9173, 0.3238,
0.1715


 44.6161, 0.3239,
0.2127

 7.3716, 0.3227,
0.1510


 61.4842, 0.3236,
0.2222

 3.6956, 0.3199,
0.1253


 82.1440, 0.3232,
0.2303

 1.5048, 0.3136,
0.0928

 106.9797, 0.3228,
0.2372

 0.2921, 0.3040,
0.0380

 136.3759, 0.3224,
0.2433

 0.0000, 0.2680,
0.0000

170.7168, 0.3221,

 0.0000, 0.0000,

0.2486

0.0000

210.3870, 0.3217,
0.2533

■ 20.7170, 0.3242,
0.1880

■ 20.7170, 0.3242,
0.1880

■ 18.5204, 0.3258,
0.1745

■ 23.7482, 0.3224,
0.2053

■ 17.0717, 0.3272,
0.1653

■ 27.6837, 0.3206,
0.2257

■ 16.2706, 0.3284,
0.1603

■ 32.5892, 0.3187,
0.2483

■ 15.9837, 0.3290,
0.1586

■ 38.5235, 0.3168,
0.2721

■ 45.5409, 0.3150,
0.2963

■ 53.6915, 0.3133,
0.3201

■ 63.0227, 0.3118,
0.3430

■ 73.5789, 0.3104,
0.3647

■ 85.4024, 0.3091,
0.3848

Harmonies

Analogous

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



20.7170, 0.2064, 0.1533



20.7170, 0.3242, 0.1880



20.7170, 0.4686, 0.2480

Triad

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



20.7170, 0.3242, 0.1880



20.7170, 0.4801, 0.4954



20.7170, 0.1137, 0.2580

Complementary

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



20.7170, 0.3242, 0.1880



42.7545, 0.3014, 0.5281

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.



20.7170, 0.1604, 0.4122



20.7170, 0.3242, 0.1880



20.7170, 0.3704, 0.5779

Square

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



20.7170, 0.3242, 0.1880



20.7170, 0.5578, 0.4021



20.7170, 0.2550, 0.5647



20.7170, 0.1089, 0.1765

Rectangle

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



20.7170, 0.3242, 0.1880



20.7170, 0.5419, 0.2961



20.7170, 0.2550, 0.5647



20.7170, 0.1238, 0.3016

Sweetspot

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



20.7180, 0.3242, 0.1880



72.7899, 0.3160, 0.2831



10.2166, 0.1911, 0.1263



14.8399, 0.3165, 0.2761



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



20.7180, 0.3242, 0.1880



31.1798, 0.3264, 0.1700



18.4812, 0.4132, 0.2534



10.8106, 0.3143, 0.3069



10.2782, 0.3289, 0.1585



0.4885, 0.3271, 0.1576

Inverse Universe

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



20.7180, 0.3242, 0.1880



31.1798, 0.3264, 0.1700



44.0568, 0.2694, 0.4291



10.8106, 0.3143, 0.3069



10.2782, 0.3289, 0.1585



0.4885, 0.3271, 0.1576

Previews

White Background



This preview shows how the Yxy color 20.7170, 0.3242, 0.1880 looks on a white background.

Color Contrast Check

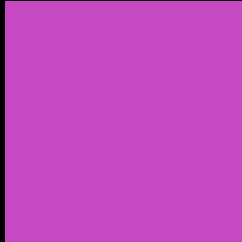
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7170, 0.3242, 0.1880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

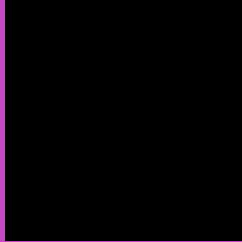
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7170, 0.3242, 0.1880

Background



This preview shows how black text looks on a background with the Yxy color 20.7170, 0.3242, 0.1880.



This preview shows how white text looks on a background with the Yxy color 20.7170, 0.3242, 0.1880.

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

20.7170, 0.3242, 0.1880

Protanopia

21.1997, 0.1869, 0.1608

Deuteranopia

20.9217, 0.2338, 0.2281



Tritanopia

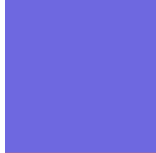
20.5948, 0.4322, 0.3184

Trichromacy



Original Color

20.7170, 0.3242, 0.1880



Protanomaly

18.5974, 0.2137, 0.1600



Deuteranomaly

19.2164, 0.2598, 0.2038



Tritanomaly

20.3172, 0.3924, 0.2644

Monochromacy



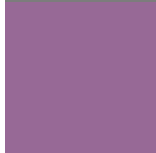
Original Color

20.7170, 0.3242, 0.1880



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

18.8845, 0.3174, 0.2570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7170, 0.3242, 0.1880 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(199, 72, 195)` looks like.

```
.text, #text, p{  
    color:rgb(199, 72, 195)  
}
```

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(199, 72, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 72, 195) }
```

Border

The CSS property to change the border of an element to Yxy 20.7170, 0.3242, 0.1880 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(199, 72, 195) }
```

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

```
.border{ border-color:rgb(199, 72, 195) }
```

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

Here you see how a box with a 4 pixel rgb(199, 72, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 72, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 72, 195);  
box-shadow:4px 4px 4px 4px rgb(199, 72,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7170, 0.3242, 0.1880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 72, 195) }
```

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

```
.background{ background-color: rgb(199, 72,  
195) }
```

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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