

Converting Colors

$Y_{xy}(20.4345, 0.4170, 0.2667)$

Have a look what the booklet for
Yxy(20.4345, 0.4170, 0.2667)
contains.

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Color

Yxy(20.3970, 0.4169, 0.2673)

Conversions

Conversions Part 1

Format	Color
Hex	CB5284
RGB	203, 82, 132
RGB Percent	80%, 32%, 52%
CMY	0.2039, 0.6784, 0.4823
CMYK	0.00, 0.60, 0.35, 0.20
HSL	335°, 54%, 56%
HSV	335°, 60%, 80%
XYZ	31.8126, 20.3970, 24.0979
YIQ	123.8790, 56.0660, 41.2020

Conversions

Conversions Part 2

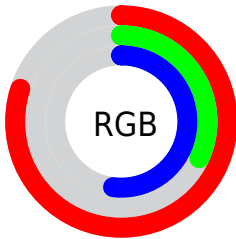
Format	Color
RYB	203, 82, 132
Decimal	13324932
CIELab	52.28, 52.83, -3.25
CIElCh	52, 52.931, 356.482
Yxy	20.3970, 0.4169, 0.2673
Android (android.graphics.Color)	4291515012 (0xFFCB5284)
YUV	123.8790, 4.0037, 69.3891
Hunter-Lab	45.1630, 46.6991, -0.0216

Details

The Yxy color **20.3970, 0.4169, 0.2673** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **46.8066, 0.2661, 0.4072**, and the grayscale version is **20.0867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6541, 0.3862, 0.2795**, and **7.2181, 0.4568, 0.2438** is the 20% darker color. If you saturate the color by 10%, you get **17.4685, 0.4450, 0.2615**, and if you desaturate by 10%, it is **24.2703, 0.3916, 0.2760**.

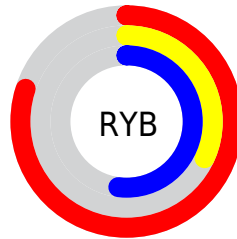
Distribution



Red (80%)

Green (32%)

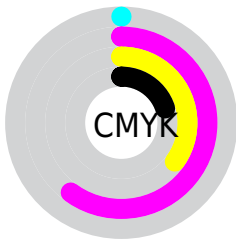
Blue (52%)



Red (80%)

Yellow (32%)

Blue (52%)

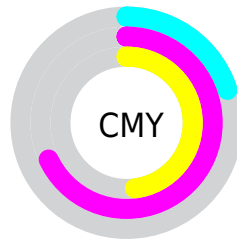


Cyan (0%)

Magenta (60%)

Yellow (35%)

Black (20%)



Cyan (20%)


Magenta (68%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3970, 0.4169, 0.2673 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 20.3970, 0.4169, 0.2673 by changing the saturation by 10% instead.


 20.3970, 0.4169,
0.2673


 20.3970, 0.4169,
0.2673


254.0563, 0.3584,
0.3015


 12.6840, 0.4340,
0.2575


 44.0818, 0.3939,
0.2806


 7.2113, 0.4575,
0.2442


 60.8223, 0.3858,
0.2853


 3.5946, 0.4920,
0.2250

 81.3408, 0.3792,
0.2892

 1.4495, 0.5467,
0.1953

 106.0216, 0.3736,
0.2925

 0.2528, 0.6967,
0.1015

 135.2492, 0.3690,
0.2952

 0.0000, 1.0000,
0.0000

169.4079, 0.3649,

 0.0000, 0.0000,

0.2976

0.0000

208.8821, 0.3615,
0.2997

■ 20.3970, 0.4169,
0.2673

■ 20.3970, 0.4169,
0.2673

■ 17.4685, 0.4450,
0.2615

■ 24.2703, 0.3916,
0.2760

■ 15.3977, 0.4749,
0.2597

■ 29.1588, 0.3697,
0.2863

■ 14.0870, 0.5047,
0.2631

■ 35.1298, 0.3512,
0.2974

■ 13.3605, 0.5328,
0.2711

■ 42.2440, 0.3357,
0.3085

■ 13.3359, 0.5339,
0.2715

■ 50.5576, 0.3229,
0.3192

■ 60.1228, 0.3123,
0.3294

■ 70.9890, 0.3037,
0.3388

■ 83.2027, 0.2966,
0.3475

■ 90.4606, 0.2904,
0.3456

Harmonies

Analogous

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



20.3970, 0.3167, 0.2192



20.3970, 0.4169, 0.2673



20.3970, 0.4886, 0.3285

Triad

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



20.3970, 0.4169, 0.2673



20.3970, 0.3751, 0.5071



20.3970, 0.1535, 0.2210

Complementary

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



20.3970, 0.4169, 0.2673



46.8066, 0.2661, 0.4072

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.



20.3970, 0.1630, 0.2903



20.3970, 0.4169, 0.2673



20.3970, 0.2853, 0.4887

Square

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



20.3970, 0.4169, 0.2673



20.3970, 0.4538, 0.4620



20.3970, 0.2078, 0.3959



20.3970, 0.1758, 0.1912

Rectangle

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



20.3970, 0.4169, 0.2673



20.3970, 0.5029, 0.3728



20.3970, 0.2078, 0.3959



20.3970, 0.1530, 0.2393

Sweetspot

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



20.3981, 0.4169, 0.2673



72.5156, 0.3338, 0.3100



17.0785, 0.2625, 0.1669



14.7084, 0.3379, 0.3068



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.



20.3981, 0.4169, 0.2673



27.9335, 0.4549, 0.2604



20.9749, 0.4883, 0.3415



11.2893, 0.3226, 0.3195



8.5037, 0.5304, 0.2695



0.4537, 0.4798, 0.2417

Inverse Universe

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



20.3981, 0.4169, 0.2673



27.9335, 0.4549, 0.2604



44.2102, 0.2366, 0.3140



11.2893, 0.3226, 0.3195



8.5037, 0.5304, 0.2695



0.4537, 0.4798, 0.2417

Previews

White Background



This preview shows how the Yxy color 20.3970, 0.4169, 0.2673 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 20.3970, 0.4169, 0.2673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

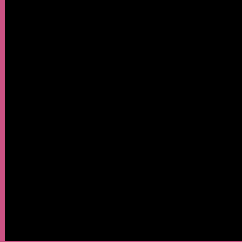
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3970, 0.4169, 0.2673

Background



This preview shows how black text looks on a background with the Yxy color 20.3970, 0.4169, 0.2673.



This preview shows how white text looks on a background with the Yxy color 20.3970, 0.4169, 0.2673.

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

20.3970, 0.4169, 0.2673

Protanopia

20.7004, 0.2694, 0.2681

Deuteranopia

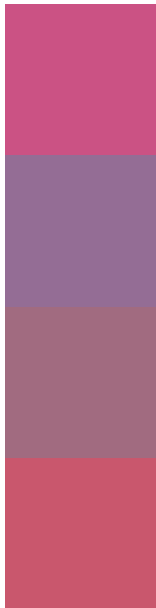
20.4995, 0.3268, 0.3202



Tritanopia

20.4362, 0.4661, 0.3220

Trichromacy



Original Color

20.3970, 0.4169, 0.2673

Protanomaly

19.4031, 0.3145, 0.2641

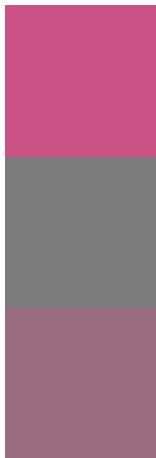
Deuteranomaly

19.6510, 0.3589, 0.2957

Tritanomaly

20.3380, 0.4489, 0.3018

Monochromacy



Original Color

20.3970, 0.4169, 0.2673

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.2419, 0.3490, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3970, 0.4169, 0.2673 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(203, 82, 132)` looks like.

```
.text, #text, p{  
    color:rgb(203, 82, 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(203, 82, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 82, 132) }
```

Border

The CSS property to change the border of an element to Yxy 20.3970, 0.4169, 0.2673 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(203, 82, 132) }
```

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

```
.border{ border-color:rgb(203, 82, 132) }
```

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

Here you see how a box with a 4 pixel rgb(203, 82, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 82, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 82, 132);  
box-shadow:4px 4px 4px 4px rgb(203, 82,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3970, 0.4169, 0.2673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 82, 132) }
```

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

```
.background{ background-color: rgb(203, 82,  
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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