

Converting Colors

$Y_{xy}(20.4905, 0.4403, 0.2986)$

Have a look what the booklet for
Yxy(20.4905, 0.4403, 0.2986)
contains.

Yxy(20.6164, 0.4402, 0.2988)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6164, 0.4402, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	C85971
RGB	200, 89, 113
RGB Percent	78%, 35%, 44%
CMY	0.2157, 0.6510, 0.5568
CMYK	0.00, 0.55, 0.43, 0.22
HSL	347°, 50%, 57%
HSV	347°, 55%, 78%
XYZ	30.3726, 20.6164, 18.0083
YIQ	124.9250, 58.4520, 30.9960

Conversions

Conversions Part 2

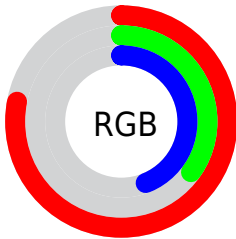
Format	Color
R_{YB}	200, 89, 113
Decimal	13130097
CIE _{Lab}	52.53, 46.46, 8.37
CIE _{LCh}	53, 47.208, 10.209
Yxy	20.6164, 0.4402, 0.2988
Android (android.graphics.Color)	4291320177 (0xFFC85971)
YUV	124.9250, -5.8790, 65.8408
Hunter-Lab	45.4053, 39.9434, 8.2685

Details

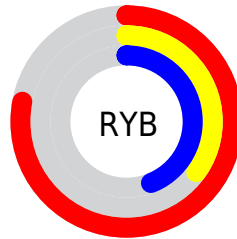
The Yxy color **20.6164, 0.4402, 0.2988** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted rose. A complement of this color would be **46.5643, 0.2557, 0.3652**, and the grayscale version is **20.4886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6215, 0.4062, 0.3062**, and **7.3345, 0.4928, 0.2844** is the 20% darker color. If you saturate the color by 10%, you get **17.4056, 0.4783, 0.2960**, and if you desaturate by 10%, it is **24.7944, 0.4066, 0.3034**.

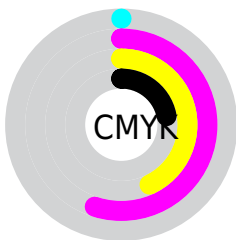
Distribution



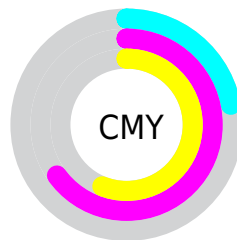
- Red (78%)
- Green (35%)
- Blue (44%)



- Red (78%)
- Yellow (35%)
- Blue (44%)



- Cyan (0%)
- Magenta (55%)
- Yellow (43%)
- Black (22%)




- Cyan (22%)
- Magenta (65%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6164, 0.4402, 0.2988 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 20.6164, 0.4402, 0.2988 by changing the saturation by 10% instead.


 20.6164, 0.4402,
0.2988


 20.6164, 0.4402,
0.2988


255.2328, 0.3676,
0.3175


 12.8439, 0.4617,
0.2926


 44.4482, 0.4114,
0.3067

 7.3211, 0.4917,
0.2834


 61.2764, 0.4014,
0.3093

 3.6637, 0.5357,
0.2689

 81.8918, 0.3931,
0.3113

 1.4873, 0.6052,
0.2434

 106.6790, 0.3863,
0.3130

 0.2798, 0.8456,
0.1544

136.0223, 0.3805,
0.3144

 0.0000, 1.0000,
0.0000

170.3061, 0.3756,

 0.0000, 0.0000,

0.3156

0.0000

209.9148, 0.3713,
0.3166

■ 20.6164, 0.4402,
0.2988

■ 20.6164, 0.4402,
0.2988

■ 17.4056, 0.4783,
0.2960

■ 24.7944, 0.4066,
0.3034

■ 15.0804, 0.5187,
0.2960

■ 30.0058, 0.3782,
0.3089

■ 13.5513, 0.5580,
0.2996

■ 36.3149, 0.3547,
0.3148

■ 12.7075, 0.5914,
0.3068

■ 43.7798, 0.3355,
0.3206

■ 12.4552, 0.6042,
0.3102

■ 52.4545, 0.3200,
0.3261

■ 62.3895, 0.3074,
0.3313

■ 73.6325, 0.2971,
0.3360

■ 86.2288, 0.2888,
0.3403

■ 90.9590, 0.2810,
0.3299

Harmonies

Analogous

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



20.6164, 0.3581, 0.2475



20.6164, 0.4402, 0.2988



20.6164, 0.4817, 0.3587

Triad

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



20.6164, 0.4402, 0.2988



20.6164, 0.3343, 0.4876



20.6164, 0.1733, 0.2155

Complementary

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



20.6164, 0.4402, 0.2988



46.5643, 0.2557, 0.3652

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.



20.6164, 0.1688, 0.2624



20.6164, 0.4402, 0.2988



20.6164, 0.2549, 0.4373

Square

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



20.6164, 0.4402, 0.2988



20.6164, 0.4122, 0.4728



20.6164, 0.1958, 0.3441



20.6164, 0.2076, 0.2009

Rectangle

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



20.6164, 0.4402, 0.2988



20.6164, 0.4784, 0.4002



20.6164, 0.1958, 0.3441



20.6164, 0.1685, 0.2272

Sweetspot

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



20.6175, 0.4402, 0.2988



73.3943, 0.3386, 0.3196



20.5399, 0.2916, 0.1878



15.1257, 0.3423, 0.3184



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.



20.6175, 0.4402, 0.2988



29.0074, 0.4881, 0.2957



26.5425, 0.4511, 0.3697



10.6739, 0.3256, 0.3240



7.9309, 0.6009, 0.3084



0.3866, 0.5415, 0.2757

Inverse Universe

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



20.6175, 0.4402, 0.2988



29.0074, 0.4881, 0.2957



34.5024, 0.2330, 0.2806



10.6739, 0.3256, 0.3240



7.9309, 0.6009, 0.3084



0.3866, 0.5415, 0.2757

Previews

White Background



This preview shows how the Yxy color 20.6164, 0.4402, 0.2988 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 20.6164, 0.4402, 0.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

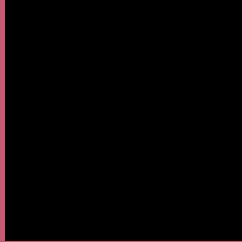
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6164, 0.4402, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 20.6164, 0.4402, 0.2988.



This preview shows how white text looks on a background with the Yxy color 20.6164, 0.4402, 0.2988.

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

20.6164, 0.4402, 0.2988

Protanopia

20.7963, 0.3051, 0.3146

Deuteranopia

20.6867, 0.3579, 0.3518



Tritanopia

20.6782, 0.4605, 0.3218

Trichromacy



Original Color

20.6164, 0.4402, 0.2988

Protanomaly

19.8670, 0.3495, 0.3059

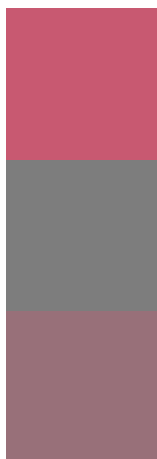
Deuteranomaly

19.9556, 0.3873, 0.3276

Tritanomaly

20.6036, 0.4535, 0.3141

Monochromacy



Original Color

20.6164, 0.4402, 0.2988

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.6442, 0.3548, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6164, 0.4402, 0.2988 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(200, 89, 113)` looks like.

```
.text, #text, p{  
  color:rgb(200, 89, 113)  
}
```

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(200, 89, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 89, 113) }
```

Border

The CSS property to change the border of an element to Yxy 20.6164, 0.4402, 0.2988 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(200, 89, 113) }
```

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

```
.border{ border-color:rgb(200, 89, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 89, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 89, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 89, 113);  
box-shadow:4px 4px 4px 4px rgb(200, 89,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6164, 0.4402, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 89, 113) }
```

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

```
.background{ background-color: rgb(200, 89,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor