

Converting Colors

$Y_{xy}(21.4473, 0.4279, 0.3132)$

Have a look what the booklet for
Yxy(21.4473, 0.4279, 0.3132)
contains.

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Color

Yxy(21.4088, 0.4290, 0.3132)

Conversions

Conversions Part 1

Format	Color
Hex	C1636F
RGB	193, 99, 111
RGB Percent	76%, 39%, 44%
CMY	0.2431, 0.6118, 0.5648
CMYK	0.00, 0.49, 0.42, 0.24
HSL	352°, 43%, 57%
HSV	352°, 49%, 76%
XYZ	29.3243, 21.4088, 17.6219
YIQ	128.4740, 52.1720, 23.6600

Conversions

Conversions Part 2

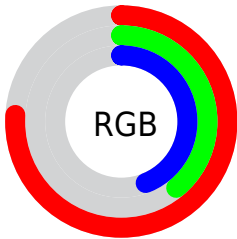
Format	Color
R _Y B	193, 99, 111
Decimal	12673903
CIE Lab	53.39, 38.74, 10.65
CIE LCh	53, 40.183, 15.374
Yxy	21.4088, 0.4290, 0.3132
Android (android.graphics.Color)	4290863983 (0xFFC1636F)
YUV	128.4740, -8.6147, 56.5893
Hunter-Lab	46.2696, 32.1561, 9.8080

Details

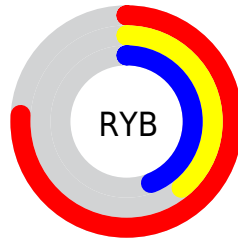
The Yxy color **21.4088, 0.4290, 0.3132** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **44.1332, 0.2559, 0.3469**, and the grayscale version is **21.7769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7963, 0.4021, 0.3176**, and **7.7183, 0.4749, 0.3020** is the 20% darker color. If you saturate the color by 10%, you get **17.8429, 0.4684, 0.3110**, and if you desaturate by 10%, it is **25.9207, 0.3952, 0.3162**.

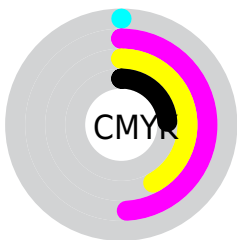
Distribution



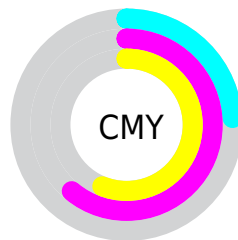
- Red (76%)
- Green (39%)
- Blue (44%)



- Red (76%)
- Yellow (39%)
- Blue (44%)



- Cyan (0%)
- Magenta (49%)
- Yellow (42%)
- Black (24%)





- Cyan (24%)
- Magenta (61%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4088, 0.4290, 0.3132 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 21.4088, 0.4290, 0.3132 by changing the saturation by 10% instead.


 21.4088, 0.4290,
0.3132


 21.4088, 0.4290,
0.3132


259.4431, 0.3629,
0.3239

 13.4231, 0.4486,
0.3092


 45.7669, 0.4028,
0.3179


 7.7206, 0.4758,
0.3031


 62.9081, 0.3937,
0.3194

 3.9167, 0.5158,
0.2930

 83.8700, 0.3862,
0.3206

 1.6271, 0.5797,
0.2739

 109.0370, 0.3800,
0.3215

 0.3757, 0.7875,
0.2125

138.7934, 0.3747,
0.3223

 0.0000, 1.0000,
0.0000


173.5236, 0.3702,


 0.0000, 0.0000,


0.3229

0.0000


213.6120, 0.3663,
0.3234


 21.4088, 0.4290,
0.3132

 21.4088, 0.4290,
0.3132


 17.8429, 0.4684,
0.3110


 25.9207, 0.3952,
0.3162

 15.1525, 0.5117,
0.3104


 31.4359, 0.3671,
0.3196

 13.2625, 0.5553,
0.3118


 38.0111, 0.3443,
0.3230


 12.0837, 0.5935,
0.3156


 45.6978, 0.3258,
0.3263


 11.4709, 0.6214,
0.3208

 54.5442, 0.3110,
0.3294

 11.4070, 0.6243,
0.3213

 64.5956, 0.2990,
0.3322

 75.8948, 0.2893,
0.3348

 88.4827, 0.2813,
0.3371

 90.0785, 0.2768,
0.3289

Harmonies

Analogous

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



21.4088, 0.3646, 0.2659



21.4088, 0.4290, 0.3132



21.4088, 0.4571, 0.3669

Triad

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



21.4088, 0.4290, 0.3132



21.4088, 0.3212, 0.4569



21.4088, 0.1952, 0.2278

Complementary

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



21.4088, 0.4290, 0.3132



44.1332, 0.2559, 0.3469

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.



21.4088, 0.1869, 0.2648



21.4088, 0.4290, 0.3132



21.4088, 0.2544, 0.4064

Square

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



21.4088, 0.4290, 0.3132



21.4088, 0.3894, 0.4568



21.4088, 0.2067, 0.3297



21.4088, 0.2304, 0.2183

Rectangle

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



21.4088, 0.4290, 0.3132



21.4088, 0.4505, 0.4025



21.4088, 0.2067, 0.3297



21.4088, 0.1894, 0.2369

Sweetspot

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



21.4099, 0.4290, 0.3132



72.6201, 0.3374, 0.3242



22.5348, 0.3040, 0.2075



14.9761, 0.3415, 0.3235



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



21.4099, 0.4290, 0.3132



31.8412, 0.4692, 0.3110



29.1436, 0.4217, 0.3758



10.0983, 0.3269, 0.3261



7.5930, 0.6221, 0.3201



0.3351, 0.5738, 0.2935

Inverse Universe

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



21.4099, 0.4290, 0.3132



31.8412, 0.4692, 0.3110



31.1413, 0.2392, 0.2749



10.0983, 0.3269, 0.3261



7.5930, 0.6221, 0.3201



0.3351, 0.5738, 0.2935

Previews

White Background



This preview shows how the Yxy color 21.4088, 0.4290, 0.3132 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 21.4088, 0.4290, 0.3132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

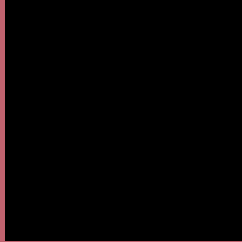
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4088, 0.4290, 0.3132

Background



This preview shows how black text looks on a background with the Yxy color 21.4088, 0.4290, 0.3132.



This preview shows how white text looks on a background with the Yxy color 21.4088, 0.4290, 0.3132.

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

21.4088, 0.4290, 0.3132

Protanopia

21.5104, 0.3186, 0.3308

Deuteranopia

21.5234, 0.3635, 0.3565



Tritanopia

21.5133, 0.4343, 0.3199

Trichromacy



Original Color

21.4088, 0.4290, 0.3132

Protanomaly

20.9731, 0.3558, 0.3225

Deuteranomaly

21.0099, 0.3875, 0.3388

Tritanomaly

21.5345, 0.4328, 0.3186

Monochromacy



Original Color

21.4088, 0.4290, 0.3132

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.8031, 0.3519, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4088, 0.4290, 0.3132 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(193, 99, 111)` looks like.

```
.text, #text, p{  
    color:rgb(193, 99, 111)  
}
```

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(193, 99, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 99, 111) }
```

Border

The CSS property to change the border of an element to Yxy 21.4088, 0.4290, 0.3132 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(193, 99, 111) }
```

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

```
.border{ border-color:rgb(193, 99, 111) }
```

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

Here you see how a box with a 4 pixel rgb(193, 99, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 99, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 99, 111);  
box-shadow:4px 4px 4px 4px rgb(193, 99,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4088, 0.4290, 0.3132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 99, 111) }
```

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

```
.background{ background-color: rgb(193, 99,  
111) }
```

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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