

# Converting Colors

$Y_{xy}(21.9056, 0.4409, 0.3154)$

Have a look what the booklet for  
Yxy(21.9056, 0.4409, 0.3154)  
contains.

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**Color**

**Yxy(21.9602, 0.4413, 0.3164)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7626C
RGB	199, 98, 108
RGB Percent	78%, 38%, 42%
CMY	0.2196, 0.6157, 0.5764
CMYK	0.00, 0.51, 0.46, 0.22
HSL	354°, 47%, 58%
HSV	354°, 51%, 78%
XYZ	30.6291, 21.9602, 16.8172
YIQ	129.3390, 56.9860, 24.5220

# Conversions

## Conversions Part 2

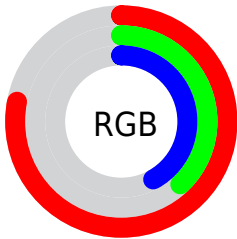
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 98, 108
Decimal	13066860
CIE <sub>Lab</sub>	53.98, 41.14, 13.36
CIE <sub>LCh</sub>	54, 43.251, 17.988
Yxy	21.9602, 0.4413, 0.3164
Android (android.graphics.Color)	4291256940 (0xFFC7626C)
YUV	129.3390, -10.5201, 61.0927
Hunter-Lab	46.8617, 34.6606, 11.5259

# Details

The Yxy color **21.9602, 0.4413, 0.3164** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **47.1184, 0.2526, 0.3435**, and the grayscale version is **22.1018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8964, 0.4094, 0.3209**, and **7.9536, 0.4918, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **18.3455, 0.4831, 0.3150**, and if you desaturate by 10%, it is **26.5813, 0.4049, 0.3186**.

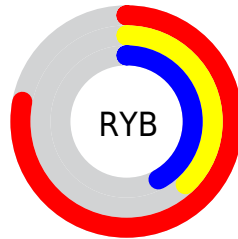
# Distribution



Red (78%)

Green (38%)

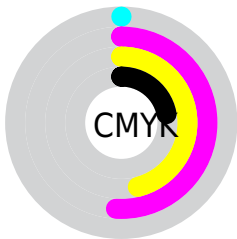
Blue (42%)



Red (78%)

Yellow (38%)

Blue (42%)

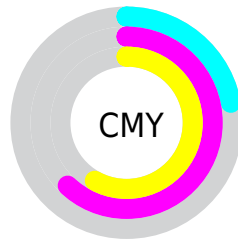


Cyan (0%)

Magenta (51%)

Yellow (46%)

Black (22%)



Cyan (22%)

Magenta (62%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 21.9602, 0.4413, 0.3164 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 21.9602, 0.4413, 0.3164 by changing the saturation by 10% instead.





 21.9602, 0.4413,  
0.3164


 21.9602, 0.4413,  
0.3164


262.3384, 0.3685,  
0.3258


 13.8277, 0.4627,  
0.3126


 46.6802, 0.4126,  
0.3208

 8.0009, 0.4921,  
0.3065


 64.0365, 0.4025,  
0.3221

 4.0955, 0.5349,  
0.2961

 85.2361, 0.3942,  
0.3231

 1.7271, 0.6027,  
0.2768

 110.6634, 0.3874,  
0.3239

 0.4411, 0.7804,  
0.2196

140.7030, 0.3815,  
0.3246

 0.0000, 1.0000,  
0.0000


175.7390, 0.3766,

 0.0000, 0.0000,

0.3251


0.0000

216.1560, 0.3723,  
0.3255

 21.9602, 0.4413,  
0.3164


 21.9602, 0.4413,  
0.3164


 18.3455, 0.4831,  
0.3150


 26.5813, 0.4049,  
0.3186


 15.6590, 0.5281,  
0.3150


 32.2725, 0.3745,  
0.3211


 13.8167, 0.5715,  
0.3168

 39.0964, 0.3498,  
0.3238

 12.7175, 0.6071,  
0.3204

 47.1096, 0.3298,  
0.3264

 12.1921, 0.6293,  
0.3240

 56.3651, 0.3138,  
0.3288

■ 66.9126, 0.3009,  
0.3311

■ 78.7990, 0.2904,  
0.3331

■ 90.6548, 0.2818,  
0.3326

■ 90.8825, 0.2800,  
0.3289

# Harmonies

## Analogous

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



21.9602, 0.3747, 0.2659



21.9602, 0.4413, 0.3164



21.9602, 0.4667, 0.3730

# Triad

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



21.9602, 0.4413, 0.3164



21.9602, 0.3144, 0.4638



21.9602, 0.1907, 0.2198

# Complementary

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



21.9602, 0.4413, 0.3164



47.1184, 0.2526, 0.3435

# 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.



21.9602, 0.1795, 0.2555



21.9602, 0.4413, 0.3164



21.9602, 0.2449, 0.4054

# Square

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



21.9602, 0.4413, 0.3164



21.9602, 0.3875, 0.4670



21.9602, 0.1972, 0.3222



21.9602, 0.2299, 0.2124



# Rectangle

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



21.9602, 0.4413, 0.3164



21.9602, 0.4565, 0.4105



21.9602, 0.1972, 0.3222



21.9602, 0.1838, 0.2283

# Sweetspot

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



21.9613, 0.4413, 0.3164



75.9531, 0.3382, 0.3253



23.6657, 0.3072, 0.2040



15.6201, 0.3425, 0.3247



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.



21.9613, 0.4413, 0.3164



31.5042, 0.4882, 0.3150



31.3170, 0.4258, 0.3820



10.6537, 0.3274, 0.3267



7.8456, 0.6273, 0.3229



0.3775, 0.5894, 0.3020



# Inverse Universe

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



21.9613, 0.4413, 0.3164



31.5042, 0.4882, 0.3150



31.3802, 0.2352, 0.2666



10.6537, 0.3274, 0.3267



7.8456, 0.6273, 0.3229

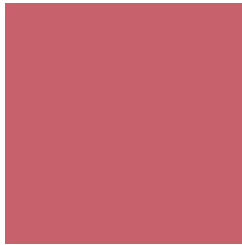


0.3775, 0.5894, 0.3020



# Previews

## White Background



This preview shows how the Yxy color 21.9602, 0.4413, 0.3164 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

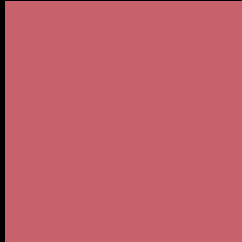
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 21.9602, 0.4413, 0.3164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

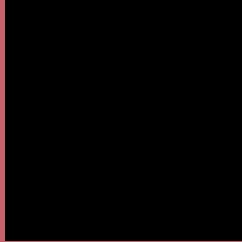
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 21.9602, 0.4413, 0.3164**

## **Background**



This preview shows how black text looks on a background with the Yxy color 21.9602, 0.4413, 0.3164.



This preview shows how white text looks on a background with the Yxy color 21.9602, 0.4413, 0.3164.

# 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

21.9602, 0.4413, 0.3164

### Protanopia

22.1423, 0.3229, 0.3379

### Deuteranopia

21.9941, 0.3706, 0.3628



## Tritanopia

21.8974, 0.4458, 0.3204

# Trichromacy



**Original Color**

21.9602, 0.4413, 0.3164

**Protanomaly**

21.4330, 0.3632, 0.3292

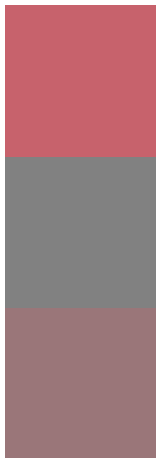
**Deuteranomaly**

21.6062, 0.3962, 0.3448

**Tritanomaly**

21.9181, 0.4443, 0.3190

# Monochromacy



**Original Color**

21.9602, 0.4413, 0.3164

**Achromatopsia**

21.9526, 0.3127, 0.3290

**Achromatomaly**

21.2074, 0.3555, 0.3242

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 21.9602, 0.4413, 0.3164 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, 98, 108)` looks like.

```
.text, #text, p{  
    color:rgb(199, 98, 108)  
}
```

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, 98, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 98, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 21.9602, 0.4413, 0.3164 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, 98, 108) }
```

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

```
.border{ border-color:rgb(199, 98, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 98, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 98, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 98, 108);  
box-shadow:4px 4px 4px 4px rgb(199, 98,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 21.9602, 0.4413, 0.3164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 98, 108) }
```

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

```
.background{ background-color: rgb(199, 98,  
108) }
```

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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