

Converting Colors

$Y_{xy}(22.2021, 0.4420, 0.3190)$

Have a look what the booklet for
Yxy(22.2021, 0.4420, 0.3190)
contains.

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Color

Yxy(22.1273, 0.4422, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	C7636B
RGB	199, 99, 107
RGB Percent	78%, 39%, 42%
CMY	0.2195, 0.6118, 0.5804
CMYK	0.00, 0.50, 0.46, 0.22
HSL	355°, 47%, 58%
HSV	355°, 50%, 78%
XYZ	30.6730, 22.1273, 16.5643
YIQ	129.8120, 57.0320, 23.6880

Conversions

Conversions Part 2

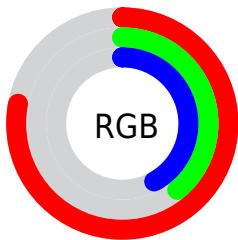
Format	Color
R _Y B	199, 99, 107
Decimal	13067115
CIE Lab	54.16, 40.54, 14.20
CIE LCh	54, 42.954, 19.308
Yxy	22.1273, 0.4422, 0.3190
Android (android.graphics.Color)	4291257195 (0xFFC7636B)
YUV	129.8120, -11.2463, 60.6779
Hunter-Lab	47.0397, 34.0746, 12.0497

Details

The Yxy color **22.1273, 0.4422, 0.3190** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **47.2707, 0.2520, 0.3405**, and the grayscale version is **22.2785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1851, 0.4101, 0.3230**, and **8.1029, 0.4922, 0.3102** is the 20% darker color. If you saturate the color by 10%, you get **18.4658, 0.4847, 0.3179**, and if you desaturate by 10%, it is **26.8017, 0.4053, 0.3207**.

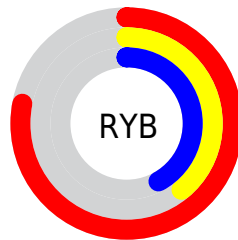
Distribution



Red (78%)

Green (39%)

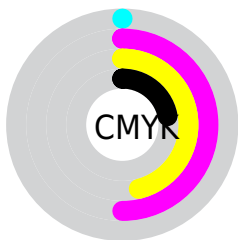
Blue (42%)



Red (78%)

Yellow (39%)

Blue (42%)

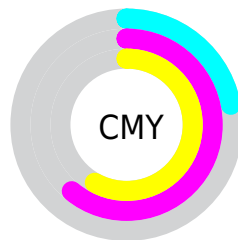


Cyan (0%)

Magenta (50%)

Yellow (46%)

Black (22%)



Cyan (22%)


Magenta (61%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1273, 0.4422, 0.3190 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 22.1273, 0.4422, 0.3190 by changing the saturation by 10% instead.


 22.1273, 0.4422,
0.3190


 22.1273, 0.4422,
0.3190


263.2103, 0.3689,
0.3271


 13.9505, 0.4636,
0.3155


 46.9563, 0.4133,
0.3229


 8.0862, 0.4932,
0.3099

 64.3773, 0.4032,
0.3241

 4.1502, 0.5360,
0.3000

 85.6484, 0.3949,
0.3249

 1.7579, 0.6041,
0.2815

 111.1541, 0.3879,
0.3256

 0.4607, 0.7735,
0.2265

141.2787, 0.3821,
0.3261

 0.0000, 1.0000,
0.0000


176.4067, 0.3771,


 0.0000, 0.0000,


0.3265


0.0000

216.9225, 0.3727,
0.3268

 22.1273, 0.4422,
0.3190


 22.1273, 0.4422,
0.3190


 18.4658, 0.4847,
0.3179


 26.8017, 0.4053,
0.3207


 15.7392, 0.5303,
0.3180


 32.5528, 0.3745,
0.3228

 13.8634, 0.5741,
0.3194

 39.4432, 0.3495,
0.3249

 12.7379, 0.6096,
0.3224

 47.5295, 0.3293,
0.3270

 12.1822, 0.6320,
0.3255

 56.8650, 0.3131,
0.3290

■ 67.4992, 0.3001,
0.3307

■ 79.4794, 0.2896,
0.3324

■ 90.7867, 0.2808,
0.3305

■ 90.8850, 0.2800,
0.3289

Harmonies

Analogous

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



22.1273, 0.3776, 0.2685



22.1273, 0.4422, 0.3190



22.1273, 0.4653, 0.3753

Triad

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



22.1273, 0.4422, 0.3190



22.1273, 0.3113, 0.4609



22.1273, 0.1928, 0.2198

Complementary

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



22.1273, 0.4422, 0.3190



47.2707, 0.2520, 0.3405

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.



22.1273, 0.1804, 0.2540



22.1273, 0.4422, 0.3190



22.1273, 0.2429, 0.4011

Square

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



22.1273, 0.4422, 0.3190



22.1273, 0.3840, 0.4667



22.1273, 0.1968, 0.3188



22.1273, 0.2330, 0.2136

Rectangle

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



22.1273, 0.4422, 0.3190



22.1273, 0.4539, 0.4123



22.1273, 0.1968, 0.3188



22.1273, 0.1856, 0.2279

Sweetspot

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



22.1284, 0.4422, 0.3190



75.9143, 0.3387, 0.3260



24.0820, 0.3091, 0.2057



15.6109, 0.3431, 0.3255



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.



22.1284, 0.4422, 0.3190



31.9834, 0.4875, 0.3179



31.9982, 0.4231, 0.3837



10.6505, 0.3277, 0.3272



7.8369, 0.6302, 0.3245



0.3760, 0.5983, 0.3070

Inverse Universe

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



22.1284, 0.4422, 0.3190



31.9834, 0.4875, 0.3179



31.0063, 0.2353, 0.2647



10.6505, 0.3277, 0.3272



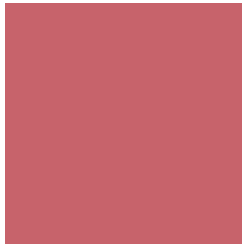
7.8369, 0.6302, 0.3245



0.3760, 0.5983, 0.3070

Previews

White Background



This preview shows how the Yxy color 22.1273, 0.4422, 0.3190 looks on a white background.

Color Contrast Check

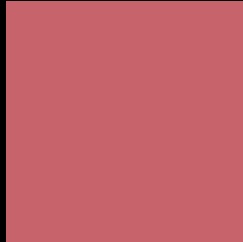
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1273, 0.4422, 0.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

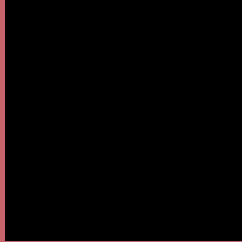
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1273, 0.4422, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 22.1273, 0.4422, 0.3190.



This preview shows how white text looks on a background with the Yxy color 22.1273, 0.4422, 0.3190.

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

22.1273, 0.4422, 0.3190

Protanopia

22.4387, 0.3262, 0.3432

Deuteranopia

22.3219, 0.3727, 0.3660



Tritanopia

22.1064, 0.4436, 0.3203

Trichromacy



Original Color

22.1273, 0.4422, 0.3190

Protanomaly

21.7471, 0.3654, 0.3324

Deuteranomaly

21.9253, 0.3983, 0.3478

Tritanomaly

22.1064, 0.4436, 0.3203

Monochromacy



Original Color

22.1273, 0.4422, 0.3190

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.5674, 0.3552, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1273, 0.4422, 0.3190 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, 99, 107)` looks like.

```
.text, #text, p{  
    color:rgb(199, 99, 107)  
}
```

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, 99, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 99, 107) }
```

Border

The CSS property to change the border of an element to Yxy 22.1273, 0.4422, 0.3190 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, 99, 107) }
```

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

```
.border{ border-color:rgb(199, 99, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 99, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 99, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 99, 107); box-shadow:4px 4px 4px 4px rgb(199, 99, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1273, 0.4422, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 99, 107) }
```

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

```
.background{ background-color: rgb(199, 99,  
107) }
```

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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