

Converting Colors

$Y_{xy}(22.1450, 0.4200, 0.3039)$

Have a look what the booklet for
Yxy(22.1450, 0.4200, 0.3039)
contains.

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Color

Yxy(22.1820, 0.4202, 0.3041)

Conversions

Conversions Part 1

Format	Color
Hex	C46477
RGB	196, 100, 119
RGB Percent	77%, 39%, 47%
CMY	0.2314, 0.6078, 0.5334
CMYK	0.00, 0.49, 0.39, 0.23
HSL	348°, 45%, 58%
HSV	348°, 49%, 77%
XYZ	30.6507, 22.1820, 20.1104
YIQ	130.8700, 51.1170, 26.2610

Conversions

Conversions Part 2

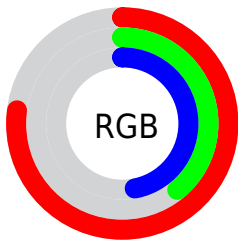
Format	Color
RYB	196, 100, 119
Decimal	12870775
CIELab	54.22, 40.21, 7.17
CIElCh	54, 40.840, 10.111
Yxy	22.1820, 0.4202, 0.3041
Android (android.graphics.Color)	4291060855 (0xFFC46477)
YUV	130.8700, -5.8519, 57.1190
Hunter-Lab	47.0978, 33.7447, 7.6520

Details

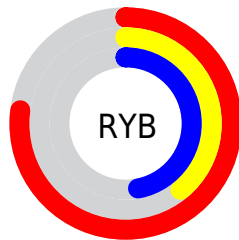
The Yxy color **22.1820, 0.4202, 0.3041** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **45.3656, 0.2595, 0.3574**, and the grayscale version is **22.6562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9827, 0.3962, 0.3103**, and **8.1405, 0.4621, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **18.5174, 0.4563, 0.3005**, and if you desaturate by 10%, it is **26.8157, 0.3892, 0.3089**.

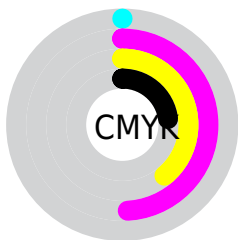
Distribution



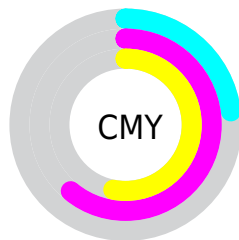
- Red (77%)
- Green (39%)
- Blue (47%)



- Red (77%)
- Yellow (39%)
- Blue (47%)



- Cyan (0%)
- Magenta (49%)
- Yellow (39%)
- Black (23%)





- Cyan (23%)
- Magenta (61%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1820, 0.4202, 0.3041 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 22.1820, 0.4202, 0.3041 by changing the saturation by 10% instead.


 22.1820, 0.4202,
0.3041


 22.1820, 0.4202,
0.3041


263.4953, 0.3596,
0.3192


 13.9907, 0.4380,
0.2992


 47.0466, 0.3963,
0.3104


 8.1142, 0.4627,
0.2920


 64.4887, 0.3879,
0.3125

 4.1681, 0.4989,
0.2808

 85.7832, 0.3810,
0.3142

 1.7680, 0.5564,
0.2612

 111.3145, 0.3753,
0.3156

 0.4671, 0.7680,
0.2284

141.4669, 0.3704,
0.3167

 0.0000, 1.0000,
0.0000


176.6249, 0.3663,


 0.0000, 0.0000,


0.3177


0.0000

217.1729, 0.3627,
0.3185

 22.1820, 0.4202,
0.3041


 22.1820, 0.4202,
0.3041

 18.5174, 0.4563,
0.3005


 26.8157, 0.3892,
0.3089


 15.7495, 0.4965,
0.2988

 32.4775, 0.3634,
0.3142


 13.8013, 0.5377,
0.3001


 39.2254, 0.3424,
0.3195

 12.5809, 0.5758,
0.3049

 47.1122, 0.3253,
0.3247


 11.9349, 0.6062,
0.3122

 56.1874, 0.3114,
0.3295

 11.8805, 0.6090,
0.3128

 66.4975, 0.3002,
0.3339

 78.0862, 0.2911,
0.3380

 89.8359, 0.2835,
0.3397

 90.4758, 0.2784,
0.3289

Harmonies

Analogous

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



22.1820, 0.3516, 0.2585



22.1820, 0.4202, 0.3041



22.1820, 0.4561, 0.3574

Triad

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



22.1820, 0.4202, 0.3041



22.1820, 0.3337, 0.4612



22.1820, 0.1914, 0.2318

Complementary

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



22.1820, 0.4202, 0.3041



45.3656, 0.2595, 0.3574

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.



22.1820, 0.1878, 0.2740



22.1820, 0.4202, 0.3041



22.1820, 0.2649, 0.4188

Square

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



22.1820, 0.4202, 0.3041



22.1820, 0.4004, 0.4527



22.1820, 0.2127, 0.3432



22.1820, 0.2220, 0.2177

Rectangle

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



22.1820, 0.4202, 0.3041



22.1820, 0.4547, 0.3935



22.1820, 0.2127, 0.3432



22.1820, 0.1871, 0.2426

Sweetspot

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



22.1831, 0.4202, 0.3041



76.1554, 0.3355, 0.3215



22.4255, 0.2968, 0.2041



15.6682, 0.3394, 0.3204



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.



22.1831, 0.4202, 0.3041



33.0006, 0.4600, 0.3002



28.3056, 0.4272, 0.3677



10.1097, 0.3259, 0.3245



7.6436, 0.6059, 0.3111



0.3402, 0.5445, 0.2773

Inverse Universe

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



22.1831, 0.4202, 0.3041



33.0006, 0.4600, 0.3002



34.4072, 0.2407, 0.2848



10.1097, 0.3259, 0.3245



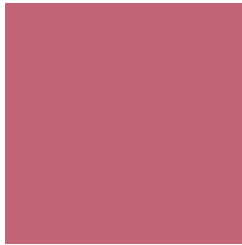
7.6436, 0.6059, 0.3111



0.3402, 0.5445, 0.2773

Previews

White Background



This preview shows how the Yxy color 22.1820, 0.4202, 0.3041 looks on a white background.

Color Contrast Check

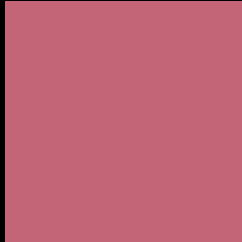
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1820, 0.4202, 0.3041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

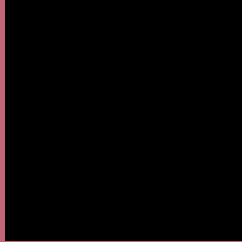
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1820, 0.4202, 0.3041

Background



This preview shows how black text looks on a background with the Yxy color 22.1820, 0.4202, 0.3041.



This preview shows how white text looks on a background with the Yxy color 22.1820, 0.4202, 0.3041.

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

22.1820, 0.4202, 0.3041

Protanopia

22.2751, 0.3086, 0.3185

Deuteranopia

22.2009, 0.3529, 0.3461



Tritanopia

22.2090, 0.4325, 0.3200

Trichromacy



Original Color

22.1820, 0.4202, 0.3041

Protanomaly

21.5104, 0.3466, 0.3112

Deuteranomaly

21.7511, 0.3771, 0.3292

Tritanomaly

22.1017, 0.4273, 0.3133

Monochromacy



Original Color

22.1820, 0.4202, 0.3041

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.9338, 0.3486, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1820, 0.4202, 0.3041 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(196, 100, 119)` looks like.

```
.text, #text, p{  
    color:rgb(196, 100, 119)  
}
```

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(196, 100, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 100, 119) }
```

Border

The CSS property to change the border of an element to Yxy 22.1820, 0.4202, 0.3041 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(196, 100, 119) }
```

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

```
.border{ border-color:rgb(196, 100, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 100, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 100, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 100, 119);  
box-shadow:4px 4px 4px 4px rgb(196, 100,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1820, 0.4202, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 100, 119) }
```

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

```
.background{ background-color: rgb(196,  
100, 119) }
```

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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