

Converting Colors

$Y_{xy}(22.2802, 0.4142, 0.2987)$

Have a look what the booklet for
Yxy(22.2802, 0.4142, 0.2987)
contains.

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Color

Yxy(22.2802, 0.4142, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	C4647B
RGB	196, 100, 123
RGB Percent	77%, 39%, 48%
CMY	0.2314, 0.6078, 0.5176
CMYK	0.00, 0.49, 0.37, 0.23
HSL	346°, 45%, 58%
HSV	346°, 49%, 77%
XYZ	30.8954, 22.2802, 21.4149
YIQ	131.3260, 49.8330, 27.5050

Conversions

Conversions Part 2

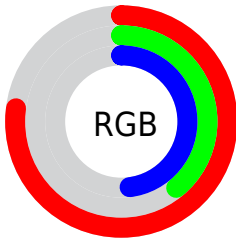
Format	Color
R_{YB}	196, 100, 123
Decimal	12870779
CIE _{Lab}	54.32, 40.67, 4.94
CIE _{LCh}	54, 40.968, 6.921
Yxy	22.2802, 0.4142, 0.2987
Android (android.graphics.Color)	4291060859 (0xFFC4647B)
YUV	131.3260, -4.1047, 56.7191
Hunter-Lab	47.2019, 34.2316, 6.1422

Details

The Yxy color **22.2802, 0.4142, 0.2987** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **45.2008, 0.2618, 0.3637**, and the grayscale version is **22.8228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1376, 0.3921, 0.3061**, and **8.1800, 0.4549, 0.2867** is the 20% darker color. If you saturate the color by 10%, you get **18.6173, 0.4482, 0.2941**, and if you desaturate by 10%, it is **26.9064, 0.3851, 0.3046**.

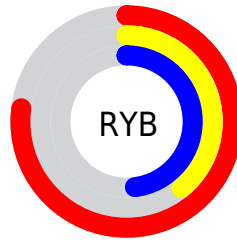
Distribution



Red (77%)

Green (39%)

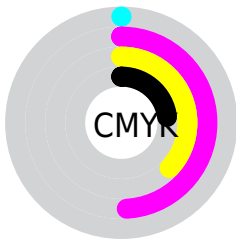
Blue (48%)



Red (77%)

Yellow (39%)

Blue (48%)

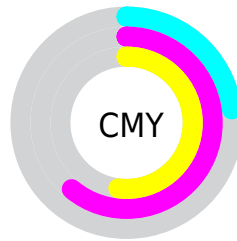


Cyan (0%)

Magenta (49%)

Yellow (37%)

Black (23%)



Cyan (23%)


Magenta (61%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2802, 0.4142, 0.2987 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 22.2802, 0.4142, 0.2987 by changing the saturation by 10% instead.


 22.2802, 0.4142,
0.2987


 22.2802, 0.4142,
0.2987

264.0061, 0.3571,
0.3165


 14.0629, 0.4309,
0.2932


 47.2087, 0.3917,
0.3059

 8.1644, 0.4541,
0.2853


 64.6887, 0.3838,
0.3084

 4.2004, 0.4881,
0.2733

 86.0250, 0.3773,
0.3104

 1.7863, 0.5422,
0.2531

 111.6021, 0.3719,
0.3120

 0.4786, 0.7103,
0.2118

141.8044, 0.3674,
0.3134

 0.0000, 1.0000,
0.0000

177.0162, 0.3635,

 0.0000, 0.0000,

0.3146

0.0000

217.6220, 0.3601,
0.3156

■ 22.2802, 0.4142,
0.2987

■ 22.2802, 0.4142,
0.2987

■ 18.6173, 0.4482,
0.2941

■ 26.9064, 0.3851,
0.3046

■ 15.8459, 0.4861,
0.2917

■ 32.5542, 0.3608,
0.3110

■ 13.8895, 0.5256,
0.2926


■ 39.2815, 0.3408,
0.3175

■ 12.6568, 0.5629,
0.2975


■ 47.1407, 0.3246,
0.3237

■ 11.9955, 0.5942,
0.3055

■ 56.1806, 0.3115,
0.3296

 11.9390, 0.5971,
0.3063

 66.4475, 0.3008,
0.3350

 77.9850, 0.2921,
0.3399

 89.6786, 0.2849,
0.3425

 90.4740, 0.2784,
0.3289

Harmonies

Analogous

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



22.2802, 0.3436, 0.2543



22.2802, 0.4142, 0.2987



22.2802, 0.4546, 0.3516

Triad

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



22.2802, 0.4142, 0.2987



22.2802, 0.3412, 0.4628



22.2802, 0.1895, 0.2348

Complementary

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



22.2802, 0.4142, 0.2987



45.2008, 0.2618, 0.3637

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.



22.2802, 0.1889, 0.2801



22.2802, 0.4142, 0.2987



22.2802, 0.2717, 0.4257

Square

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



22.2802, 0.4142, 0.2987



22.2802, 0.4068, 0.4496



22.2802, 0.2169, 0.3516



22.2802, 0.2173, 0.2178

Rectangle

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



22.2802, 0.4142, 0.2987



22.2802, 0.4565, 0.3879



22.2802, 0.2169, 0.3516



22.2802, 0.1862, 0.2466

Sweetspot

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



22.2813, 0.4142, 0.2987



76.2433, 0.3344, 0.3199



21.8718, 0.2915, 0.2022



15.6891, 0.3380, 0.3185



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.



22.2813, 0.4142, 0.2987



33.1830, 0.4517, 0.2937



27.0714, 0.4307, 0.3613



10.1166, 0.3252, 0.3235



7.6839, 0.5937, 0.3044



0.3432, 0.5288, 0.2687

Inverse Universe

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



22.2813, 0.4142, 0.2987



33.1830, 0.4517, 0.2937



36.1977, 0.2421, 0.2924



10.1166, 0.3252, 0.3235



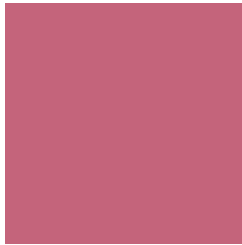
7.6839, 0.5937, 0.3044



0.3432, 0.5288, 0.2687

Previews

White Background



This preview shows how the Yxy color 22.2802, 0.4142, 0.2987 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 22.2802, 0.4142, 0.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

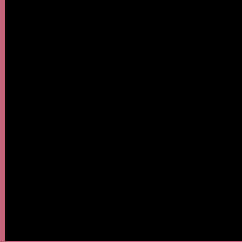
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2802, 0.4142, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 22.2802, 0.4142, 0.2987.



This preview shows how white text looks on a background with the Yxy color 22.2802, 0.4142, 0.2987.

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

22.2802, 0.4142, 0.2987

Protanopia

22.6045, 0.3022, 0.3116

Deuteranopia

22.4567, 0.3465, 0.3410



Tritanopia

22.2306, 0.4311, 0.3187

Trichromacy



Original Color

22.2802, 0.4142, 0.2987

Protanomaly

21.7849, 0.3389, 0.3047

Deuteranomaly

22.0780, 0.3713, 0.3245

Tritanomaly

22.1473, 0.4243, 0.3106

Monochromacy



Original Color

22.2802, 0.4142, 0.2987

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

21.9600, 0.3473, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2802, 0.4142, 0.2987 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(196, 100, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 100, 123) }
```

Border

The CSS property to change the border of an element to Yxy 22.2802, 0.4142, 0.2987 is called "border". The border property can be set on classes, ids or directly on the HTML element.

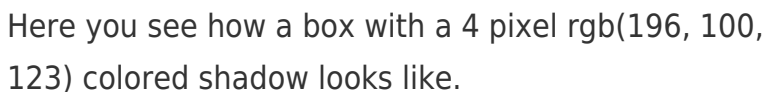
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 100, 123) }
```

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

```
.border{ border-color:rgb(196, 100, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 100, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 100, 123);  
box-shadow:4px 4px 4px 4px rgb(196, 100,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2802, 0.4142, 0.2987 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, 123) }
```

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

```
.background{ background-color: rgb(196,  
100, 123) }
```

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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