

# Converting Colors

$Y_{xy}(22.9260, 0.4132, 0.2942)$

Have a look what the booklet for  
Yxy(22.9260, 0.4132, 0.2942)  
contains.

<b>Yxy(22.9260, 0.4132, 0.2942)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(22.9260, 0.4132, 0.2942)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C8647F
RGB	200, 100, 127
RGB Percent	78%, 39%, 50%
CMY	0.2158, 0.6077, 0.5020
CMYK	0.00, 0.50, 0.36, 0.22
HSL	344°, 48%, 59%
HSV	344°, 50%, 78%
XYZ	32.1993, 22.9260, 22.8013
YIQ	132.9780, 50.9330, 29.5970

# Conversions

## Conversions Part 2

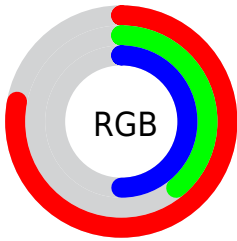
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 100, 127
Decimal	13132927
CIE <sub>Lab</sub>	55.00, 42.54, 3.64
CIE <sub>LCh</sub>	55, 42.694, 4.890
Yxy	22.9260, 0.4132, 0.2942
Android (android.graphics.Color)	4291323007 (0xFFC8647F)
YUV	132.9780, -2.9472, 58.7783
Hunter-Lab	47.8811, 36.2464, 5.2825

# Details

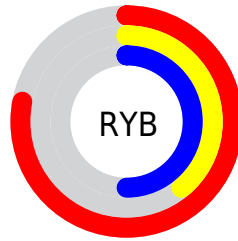
The Yxy color **22.9260, 0.4132, 0.2942** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **47.0205, 0.2627, 0.3693**, and the grayscale version is **23.4465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3378, 0.3869, 0.3009**, and **8.5036, 0.4528, 0.2798** is the 20% darker color. If you saturate the color by 10%, you get **19.1956, 0.4461, 0.2891**, and if you desaturate by 10%, it is **27.6553, 0.3848, 0.3008**.

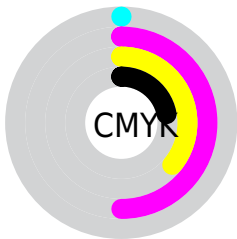
# Distribution



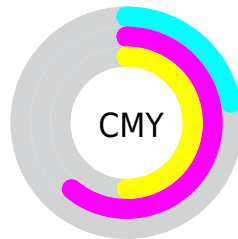
- Red (78%)
- Green (39%)
- Blue (50%)



- Red (78%)
- Yellow (39%)
- Blue (50%)



- Cyan (0%)
- Magenta (50%)
- Yellow (36%)
- Black (22%)



- Cyan (22%)
- Magenta (61%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9260, 0.4132, 0.2942 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 22.9260, 0.4132, 0.2942 by changing the saturation by 10% instead.





 22.9260, 0.4132,  
0.2942


 22.9260, 0.4132,  
0.2942


267.3447, 0.3570,  
0.3142


 14.5389, 0.4295,  
0.2882


 48.2718, 0.3912,  
0.3022

 8.4964, 0.4520,  
0.2797


 65.9992, 0.3834,  
0.3050

 4.4142, 0.4848,  
0.2671

 87.6089, 0.3770,  
0.3072

 1.9079, 0.5366,  
0.2464

 113.4853, 0.3717,  
0.3091

 0.5531, 0.6653,  
0.2055

144.0126, 0.3672,  
0.3107

 0.0000, 1.0000,  
0.0000


179.5753, 0.3633,


 0.0000, 0.0000,


0.3120


0.0000


220.5579, 0.3599,  
0.3132

 22.9260, 0.4132,  
0.2942

 22.9260, 0.4132,  
0.2942


 19.1956, 0.4461,  
0.2891


 27.6553, 0.3848,  
0.3008


 16.3881, 0.4828,  
0.2864


 33.4452, 0.3611,  
0.3080


 14.4222, 0.5208,  
0.2874


 40.3565, 0.3416,  
0.3153


 13.2007, 0.5569,  
0.2927

 48.4444, 0.3256,  
0.3224

 12.5415, 0.5879,  
0.3012


 57.7605, 0.3127,  
0.3290

 12.5400, 0.5879,  
0.3013

 68.3532, 0.3021,  
0.3352

 80.2684, 0.2936,  
0.3408

 90.3146, 0.2862,  
0.3407

 91.0143, 0.2805,  
0.3289

# Harmonies

## Analogous

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



22.9260, 0.3391, 0.2497



22.9260, 0.4132, 0.2942



22.9260, 0.4577, 0.3479

# Triad

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



22.9260, 0.4132, 0.2942



22.9260, 0.3466, 0.4680



22.9260, 0.1853, 0.2341

# Complementary

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



22.9260, 0.4132, 0.2942



47.0205, 0.2627, 0.3693

# 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.



22.9260, 0.1865, 0.2825



22.9260, 0.4132, 0.2942



22.9260, 0.2747, 0.4334

# Square

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



22.9260, 0.4132, 0.2942



22.9260, 0.4132, 0.4506



22.9260, 0.2170, 0.3577



22.9260, 0.2118, 0.2151



# Rectangle

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



22.9260, 0.4132, 0.2942



22.9260, 0.4616, 0.3853



22.9260, 0.2170, 0.3577



22.9260, 0.1825, 0.2468

# Sweetspot

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



22.9272, 0.4132, 0.2942



76.3066, 0.3336, 0.3187



22.0205, 0.2872, 0.1982



15.7042, 0.3371, 0.3172



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.



22.9272, 0.4132, 0.2942



32.7539, 0.4493, 0.2887



27.0371, 0.4369, 0.3576



10.6831, 0.3248, 0.3228



7.9896, 0.5844, 0.2993



0.3908, 0.5230, 0.2655



# Inverse Universe

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



22.9272, 0.4132, 0.2942



32.7539, 0.4493, 0.2887



38.8448, 0.2418, 0.2966



10.6831, 0.3248, 0.3228



7.9896, 0.5844, 0.2993



0.3908, 0.5230, 0.2655



# Previews

## White Background



This preview shows how the Yxy color 22.9260, 0.4132, 0.2942 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 22.9260, 0.4132, 0.2942 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

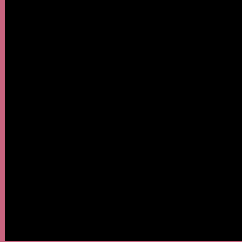
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 22.9260, 0.4132, 0.2942**

## **Background**



This preview shows how black text looks on a background with the Yxy color 22.9260, 0.4132, 0.2942.



This preview shows how white text looks on a background with the Yxy color 22.9260, 0.4132, 0.2942.

# 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

22.9260, 0.4132, 0.2942

### Protanopia

23.1022, 0.2982, 0.3050

### Deuteranopia

23.1394, 0.3436, 0.3392



## Tritanopia

22.9684, 0.4352, 0.3202

# Trichromacy



## Original Color

22.9260, 0.4132, 0.2942

## Protanomaly

22.3358, 0.3363, 0.3003

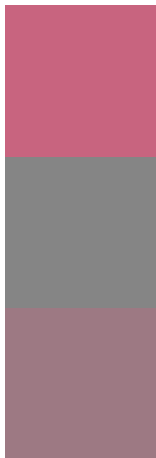
## Deuteranomaly

22.6276, 0.3683, 0.3199

## Tritanomaly

22.9058, 0.4271, 0.3110

# Monochromacy



## Original Color

22.9260, 0.4132, 0.2942

## Achromatopsia

23.4551, 0.3127, 0.3290

## Achromatomaly

22.4815, 0.3458, 0.3130

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 22.9260, 0.4132, 0.2942 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(200, 100, 127)` looks like.

```
.text, #text, p{  
    color:rgb(200, 100, 127)  
}
```

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(200, 100, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 100, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 22.9260, 0.4132, 0.2942 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(200, 100, 127) }
```

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

```
.border{ border-color:rgb(200, 100, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 100, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 100, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 100, 127);  
box-shadow:4px 4px 4px 4px rgb(200, 100,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 22.9260, 0.4132, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 100, 127) }
```

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

```
.background{ background-color: rgb(200,  
100, 127) }
```

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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