

Converting Colors

$Y_{xy}(27.9317, 0.3173, 0.2333)$

Have a look what the booklet for
Yxy(27.9317, 0.3173, 0.2333)
contains.

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Color

Yxy(27.9103, 0.3172, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	C175C1
RGB	193, 117, 193
RGB Percent	76%, 46%, 76%
CMY	0.2431, 0.5412, 0.2431
CMYK	0.00, 0.39, 0.00, 0.24
HSL	300°, 38%, 61%
HSV	300°, 39%, 76%
XYZ	37.9800, 27.9103, 53.8450
YIQ	148.3880, 20.9000, 39.7480

Conversions

Conversions Part 2

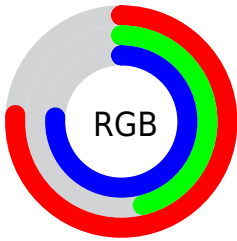
Format	Color
RYB	193, 117, 193
Decimal	12678593
CIELab	59.81, 41.52, -27.46
CIElCh	60, 49.777, 326.526
Yxy	27.9103, 0.3172, 0.2331
Android (android.graphics.Color)	4290868673 (0xFFC175C1)
YUV	148.3880, 21.9937, 39.1247
Hunter-Lab	52.8302, 35.8722, -23.4477

Details

The Yxy color **27.9103, 0.3172, 0.2331** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.2134, 0.3071, 0.4481**, and the grayscale version is **29.6854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5372, 0.3172, 0.2505**, and **11.1638, 0.3169, 0.2070** is the 20% darker color. If you saturate the color by 10%, you get **23.8674, 0.3182, 0.2112**, and if you desaturate by 10%, it is **32.8829, 0.3161, 0.2568**.

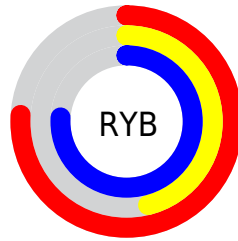
Distribution



Red (76%)

Green (46%)

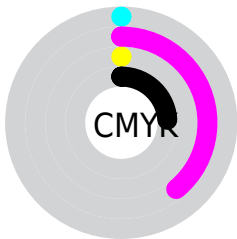
Blue (76%)



Red (76%)

Yellow (46%)

Blue (76%)

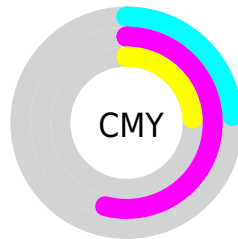


Cyan (0%)

Magenta (39%)

Yellow (0%)

Black (24%)



Cyan (24%)


Magenta (54%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9103, 0.3172, 0.2331 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 27.9103, 0.3172, 0.2331 by changing the saturation by 10% instead.


 27.9103, 0.3172,
0.2331


 27.9103, 0.3172,
0.2331


292.0380, 0.3163,
0.2809


 18.2581, 0.3169,
0.2213


 56.3412, 0.3172,
0.2504

 11.1354, 0.3163,
0.2064


 75.8886, 0.3171,
0.2569

 6.1580, 0.3150,
0.1869


 99.5033, 0.3170,
0.2624

 2.9414, 0.3120,
0.1606

127.5695, 0.3169,
0.2672

 1.1012, 0.3052,
0.1240

160.4717, 0.3167,
0.2713

 0.0000, 0.3103,
0.0000

198.5942, 0.3166,

 0.0000, 0.0000,

0.2749

0.0000

242.3216, 0.3164,
0.2781

■ 27.9103, 0.3172,
0.2331

■ 27.9103, 0.3172,
0.2331

■ 23.8674, 0.3182,
0.2112

■ 32.8829, 0.3161,
0.2568

■ 20.6932, 0.3191,
0.1921

■ 38.8340, 0.3149,
0.2815

■ 18.3250, 0.3198,
0.1766


■ 45.8134, 0.3138,
0.3063


■ 16.6904, 0.3204,
0.1652


■ 53.8665, 0.3126,
0.3305


■ 15.7039, 0.3207,
0.1580


■ 63.0359, 0.3116,
0.3536

 15.2114, 0.3209,
0.1543

 73.3620, 0.3105,
0.3753

 15.1854, 0.3209,
0.1541

 84.8830, 0.3096,
0.3954

 86.7120, 0.3095,
0.3982

 86.7124, 0.3095,
0.3982

Harmonies

Analogous

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



27.9103, 0.2421, 0.2091



27.9103, 0.3172, 0.2331



27.9103, 0.4015, 0.2763

Triad

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



27.9103, 0.3172, 0.2331



27.9103, 0.4369, 0.4472



27.9103, 0.1824, 0.2979

Complementary

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



27.9103, 0.3172, 0.2331



43.2134, 0.3071, 0.4481

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.



27.9103, 0.2233, 0.3854



27.9103, 0.3172, 0.2331



27.9103, 0.3697, 0.4805

Square

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



27.9103, 0.3172, 0.2331



27.9103, 0.4736, 0.3911



27.9103, 0.2915, 0.4611



27.9103, 0.1730, 0.2369

Rectangle

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



27.9103, 0.3172, 0.2331



27.9103, 0.4467, 0.3122



27.9103, 0.2915, 0.4611



27.9103, 0.1925, 0.3253

Sweetspot

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



27.9115, 0.3172, 0.2331



78.3406, 0.3141, 0.2994



20.6535, 0.2412, 0.2122



16.4463, 0.3143, 0.2961



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.9115, 0.3172, 0.2331



43.8214, 0.3181, 0.2147



26.4721, 0.3592, 0.2765



10.2474, 0.3138, 0.3063



10.0986, 0.3209, 0.1541



0.4364, 0.3209, 0.1541

Inverse Universe

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



25.3473, 0.4101, 0.3293



38.6084, 0.4427, 0.3294



44.2525, 0.2832, 0.3889



10.0779, 0.3289, 0.3290



7.5408, 0.6401, 0.3300



0.3258, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 27.9103, 0.3172, 0.2331 looks on a white background.

Color Contrast Check

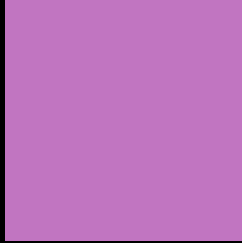
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9103, 0.3172, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

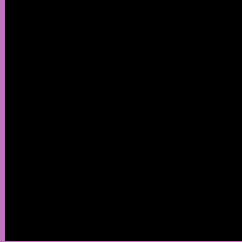
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9103, 0.3172, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 27.9103, 0.3172, 0.2331.



This preview shows how white text looks on a background with the Yxy color 27.9103, 0.3172, 0.2331.

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

27.9103, 0.3172, 0.2331

Protanopia

28.2150, 0.2373, 0.2264

Deuteranopia

28.1277, 0.2652, 0.2596



Tritanopia

27.9746, 0.3698, 0.3165

Trichromacy



Original Color

27.9103, 0.3172, 0.2331



Protanomaly

27.4343, 0.2608, 0.2267



Deuteranomaly

27.5607, 0.2820, 0.2476



Tritanomaly

27.9547, 0.3506, 0.2842

Monochromacy



Original Color

27.9103, 0.3172, 0.2331



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.4642, 0.3146, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9103, 0.3172, 0.2331 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(193, 117, 193)` looks like.

```
.text, #text, p{  
    color:rgb(193, 117, 193)  
}
```

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(193, 117, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 117, 193) }
```

Border

The CSS property to change the border of an element to Yxy 27.9103, 0.3172, 0.2331 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(193, 117, 193) }
```

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

```
.border{ border-color:rgb(193, 117, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 117, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 117, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 117, 193);  
box-shadow:4px 4px 4px 4px rgb(193, 117,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9103, 0.3172, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 117, 193) }
```

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

```
.background{ background-color: rgb(193,  
117, 193) }
```

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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