

Converting Colors

$Y_{xy}(28.1233, 0.2740, 0.2093)$

Have a look what the booklet for
Yxy(28.1233, 0.2740, 0.2093)
contains.

Yxy(27.9463, 0.2739, 0.2091)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.9463, 0.2739, 0.2091)

Conversions

Conversions Part 1

Format	Color
Hex	AC7BD9
RGB	172, 123, 217
RGB Percent	67%, 48%, 85%
CMY	0.3258, 0.5175, 0.1491
CMYK	0.21, 0.43, 0.00, 0.15
HSL	271°, 55%, 67%
HSV	271°, 43%, 85%
XYZ	36.6068, 27.9463, 69.0973
YIQ	148.3670, -0.9700, 39.6220

Conversions

Conversions Part 2

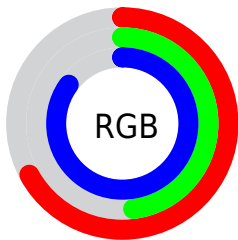
Format	Color
R _{YB}	172, 123, 217
Decimal	11303897
CIE _{Lab}	59.84, 36.89, -41.11
CIE _{LCh}	60, 55.233, 311.901
Yxy	27.9463, 0.2739, 0.2091
Android (android.graphics.Color)	4289493977 (0xFFAC7BD9)
YUV	148.3670, 33.8361, 20.7261
Hunter-Lab	52.8643, 31.0932, -40.4912

Details

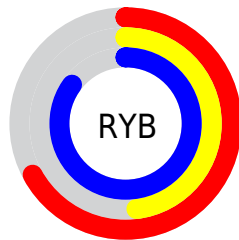
The Yxy color $27.9463, 0.2739, 0.2091$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $59.3820, 0.3380, 0.4505$, and the grayscale version is $29.6317, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.9287, 0.2961, 0.2468$, and $11.2253, 0.2596, 0.1779$ is the 20% darker color. If you saturate the color by 10%, you get $22.0144, 0.2619, 0.1801$, and if you desaturate by 10%, it is $35.1657, 0.2849, 0.2387$.

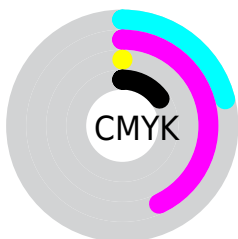
Distribution



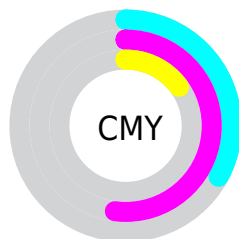
- Red (67%)
- Green (48%)
- Blue (85%)



- Red (67%)
- Yellow (48%)
- Blue (85%)



- Cyan (21%)
- Magenta (43%)
- Yellow (0%)
- Black (15%)





- Cyan (33%)
- Magenta (52%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9463, 0.2739, 0.2091 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 27.9463, 0.2739, 0.2091 by changing the saturation by 10% instead.


 27.9463, 0.2739,
0.2091


 27.9463, 0.2739,
0.2091


292.2102, 0.2960,
0.2678


 18.2852, 0.2677,
0.1952


 56.3987, 0.2825,
0.2299

 11.1549, 0.2593,
0.1779


 75.9588, 0.2855,
0.2379

 6.1711, 0.2477,
0.1559


 99.5873, 0.2881,
0.2447

 2.9494, 0.2306,
0.1276

127.6686, 0.2902,
0.2506

 1.1054, 0.2042,
0.0911

160.5872, 0.2920,
0.2557

 0.0000, 0.1687,
0.0000

198.7274, 0.2935,

 0.0000, 0.0000,

0.2602

0.0000

242.4736, 0.2948,
0.2642

■ 27.9463, 0.2739,
0.2091

■ 27.9463, 0.2739,
0.2091

■ 22.0144, 0.2619,
0.1801

■ 35.1657, 0.2849,
0.2387

■ 17.2848, 0.2493,
0.1531

■ 43.7437, 0.2947,
0.2676

■ 13.6670, 0.2365,
0.1294


■ 53.7499, 0.3032,
0.2952


■ 11.0558, 0.2240,
0.1105


■ 65.2483, 0.3106,
0.3210


■ 9.3239, 0.2125,
0.0970

■ 78.2989, 0.3168,
0.3446

 8.5145, 0.2053,
0.0905

 92.9581, 0.3219,
0.3660

 95.8999, 0.3285,
0.3669

 97.7888, 0.3352,
0.3661

Harmonies

Analogous

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



27.9463, 0.2054, 0.1950



27.9463, 0.2739, 0.2091



27.9463, 0.3658, 0.2462

Triad

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



27.9463, 0.2739, 0.2091



27.9463, 0.4732, 0.4271



27.9463, 0.1873, 0.3388

Complementary

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



27.9463, 0.2739, 0.2091



59.3820, 0.3380, 0.4505

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.



27.9463, 0.2470, 0.4393



27.9463, 0.2739, 0.2091



27.9463, 0.4119, 0.4821

Square

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



27.9463, 0.2739, 0.2091



27.9463, 0.4915, 0.3625



27.9463, 0.3294, 0.4964



27.9463, 0.1616, 0.2545

Rectangle

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



27.9463, 0.2739, 0.2091



27.9463, 0.4262, 0.2808



27.9463, 0.3294, 0.4964



27.9463, 0.2035, 0.3730

Sweetspot

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



27.9474, 0.2739, 0.2091



77.7515, 0.3034, 0.2957



37.3926, 0.2429, 0.2611



15.9134, 0.3016, 0.2897



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.



27.9474, 0.2739, 0.2091



32.3671, 0.2629, 0.1824



33.8524, 0.3192, 0.2250



12.9488, 0.3062, 0.3054



5.2185, 0.2068, 0.0913



0.3893, 0.2242, 0.1009

Inverse Universe

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



31.7553, 0.3704, 0.2750



38.8223, 0.3889, 0.2643



55.3006, 0.3056, 0.4609



13.1550, 0.3217, 0.3178



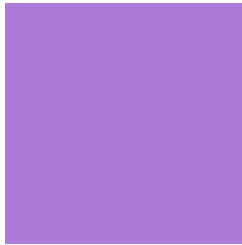
9.5569, 0.5036, 0.2548



0.6365, 0.4660, 0.2341

Previews

White Background



This preview shows how the Yxy color 27.9463, 0.2739, 0.2091 looks on a white background.

Color Contrast Check

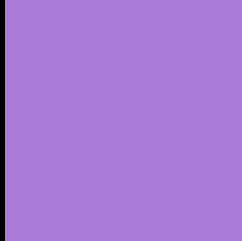
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9463, 0.2739, 0.2091 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 27.9463, 0.2739, 0.2091

Background



This preview shows how black text looks on a background with the Yxy color 27.9463, 0.2739, 0.2091.



This preview shows how white text looks on a background with the Yxy color 27.9463, 0.2739, 0.2091.

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

27.9463, 0.2739, 0.2091

Protanopia

28.1842, 0.2187, 0.2018

Deuteranopia

28.0939, 0.2334, 0.2268



Tritanopia

27.8205, 0.3256, 0.3122

Trichromacy



Original Color

27.9463, 0.2739, 0.2091



Protanomaly

27.5018, 0.2351, 0.2027



Deuteranomaly

27.6976, 0.2466, 0.2196



Tritanomaly

27.7236, 0.3048, 0.2697

Monochromacy



Original Color

27.9463, 0.2739, 0.2091



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.6505, 0.2985, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9463, 0.2739, 0.2091 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(172, 123, 217)` looks like.

```
.text, #text, p{  
    color:rgb(172, 123, 217)  
}
```

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(172, 123, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 123, 217) }
```

Border

The CSS property to change the border of an element to Yxy 27.9463, 0.2739, 0.2091 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(172, 123, 217) }
```

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

```
.border{ border-color:rgb(172, 123, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 123, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 123, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 123, 217);  
box-shadow:4px 4px 4px 4px rgb(172, 123,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9463, 0.2739, 0.2091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 123, 217) }
```

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

```
.background{ background-color: rgb(172,  
123, 217) }
```

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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