

Converting Colors

$Y_{xy}(27.7218, 0.2909, 0.2421)$

Have a look what the booklet for
Yxy(27.7218, 0.2909, 0.2421)
contains.

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Color

Yxy(27.7218, 0.2909, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	A781C0
RGB	167, 129, 192
RGB Percent	65%, 51%, 75%
CMY	0.3449, 0.4942, 0.2470
CMYK	0.13, 0.33, 0.00, 0.25
HSL	276°, 33%, 63%
HSV	276°, 33%, 75%
XYZ	33.3097, 27.7218, 53.4741
YIQ	147.5440, 2.4250, 27.6490

Conversions

Conversions Part 2

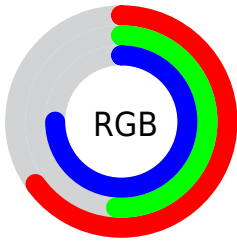
Format	Color
R _Y B	167, 129, 192
Decimal	10977728
CIE Lab	59.64, 26.50, -27.39
CIE LCh	60, 38.107, 314.055
Yxy	27.7218, 0.2909, 0.2421
Android (android.graphics.Color)	4289167808 (0xFFA781C0)
YUV	147.5440, 21.9168, 17.0629
Hunter-Lab	52.6515, 20.7869, -23.3603

Details

The Yxy color $27.7218, 0.2909, 0.2421$ is a light color, and the websafe version is hex 996699 . A complement of this color would be $46.1568, 0.3283, 0.4194$, and the grayscale version is $29.3232, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.9834, 0.2957, 0.2577$, and $11.0043, 0.2823, 0.2169$ is the 20% darker color. If you saturate the color by 10%, you get $22.3271, 0.2821, 0.2138$, and if you desaturate by 10%, it is $34.1180, 0.2987, 0.2701$.

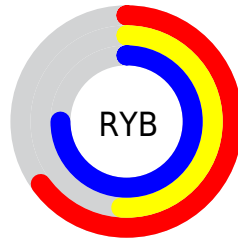
Distribution



Red (65%)

Green (51%)

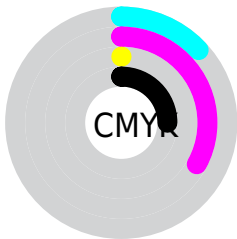
Blue (75%)



Red (65%)

Yellow (51%)

Blue (75%)

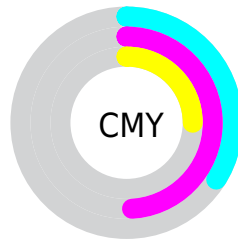


Cyan (13%)

Magenta (33%)

Yellow (0%)

Black (25%)



Cyan (34%)


Magenta (49%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7218, 0.2909, 0.2421 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 27.7218, 0.2909, 0.2421 by changing the saturation by 10% instead.


 27.7218, 0.2909,
0.2421


 27.7218, 0.2909,
0.2421


291.1352, 0.3035,
0.2863


 18.1161, 0.2872,
0.2310


 56.0400, 0.2959,
0.2582

 11.0333, 0.2821,
0.2167

 75.5212, 0.2977,
0.2643

 6.0893, 0.2747,
0.1978


 99.0630, 0.2991,
0.2694

 2.8994, 0.2631,
0.1718

127.0499, 0.3003,
0.2737

 1.0795, 0.2436,
0.1345

159.8661, 0.3013,
0.2775

 0.0000, 0.2179,
0.0000

197.8961, 0.3021,

 0.0000, 0.0000,

0.2808

0.0000

241.5244, 0.3029,
0.2837

■ 27.7218, 0.2909,
0.2421

■ 27.7218, 0.2909,
0.2421

■ 22.3271, 0.2821,
0.2138

■ 34.1180, 0.2987,
0.2701

■ 17.8763, 0.2724,
0.1863

■ 41.5622, 0.3055,
0.2969

■ 14.3110, 0.2620,
0.1607


■ 50.1023, 0.3113,
0.3222


■ 11.5646, 0.2514,
0.1384


■ 59.7819, 0.3161,
0.3456


■ 9.5611, 0.2408,
0.1204


■ 70.6423, 0.3201,
0.3669

 8.2091, 0.2307,
0.1075

 82.7229, 0.3234,
0.3862

 7.5164, 0.2238,
0.1007

 90.5878, 0.3272,
0.3958

 91.8039, 0.3321,
0.3947

 93.0747, 0.3371,
0.3937

Harmonies

Analogous

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



27.7218, 0.2384, 0.2306



27.7218, 0.2909, 0.2421



27.7218, 0.3554, 0.2717

Triad

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



27.7218, 0.2909, 0.2421



27.7218, 0.4266, 0.4082



27.7218, 0.2208, 0.3333

Complementary

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



27.7218, 0.2909, 0.2421



46.1568, 0.3283, 0.4194

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.



27.7218, 0.2646, 0.3981



27.7218, 0.2909, 0.2421



27.7218, 0.3837, 0.4401

Square

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



27.7218, 0.2909, 0.2421



27.7218, 0.4384, 0.3621



27.7218, 0.3241, 0.4398



27.7218, 0.2014, 0.2757

Rectangle

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



27.7218, 0.2909, 0.2421



27.7218, 0.3955, 0.2989



27.7218, 0.3241, 0.4398



27.7218, 0.2329, 0.3555

Sweetspot

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



27.7230, 0.2909, 0.2421



79.2230, 0.3071, 0.3039



31.6483, 0.2595, 0.2724



16.5444, 0.3063, 0.3002



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.



27.7230, 0.2909, 0.2421



43.3873, 0.2850, 0.2229



30.4375, 0.3229, 0.2558



10.0420, 0.3076, 0.3059



5.1029, 0.2250, 0.1013



0.2596, 0.2464, 0.1131

Inverse Universe

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



29.2360, 0.3578, 0.2954



46.6684, 0.3711, 0.2882



44.1300, 0.3039, 0.4153



10.1425, 0.3228, 0.3199



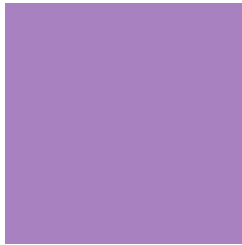
7.9068, 0.5368, 0.2731



0.3552, 0.4776, 0.2404

Previews

White Background



This preview shows how the Yxy color 27.7218, 0.2909, 0.2421 looks on a white background.

Color Contrast Check

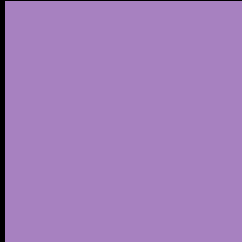
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7218, 0.2909, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

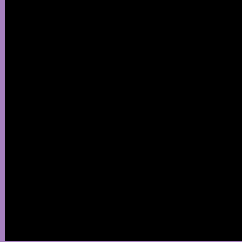
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7218, 0.2909, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 27.7218, 0.2909, 0.2421.



This preview shows how white text looks on a background with the Yxy color 27.7218, 0.2909, 0.2421.

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

27.7218, 0.2909, 0.2421

Protanopia

27.9702, 0.2471, 0.2400

Deuteranopia

28.0503, 0.2620, 0.2566



Tritanopia

27.7887, 0.3266, 0.3137

Trichromacy



Original Color

27.7218, 0.2909, 0.2421

Protanomaly

27.5440, 0.2612, 0.2402

Deuteranomaly

27.6727, 0.2711, 0.2499

Tritanomaly

27.7948, 0.3136, 0.2861

Monochromacy



Original Color

27.7218, 0.2909, 0.2421

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.6987, 0.3049, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7218, 0.2909, 0.2421 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(167, 129, 192)` looks like.

```
.text, #text, p{  
    color:rgb(167, 129, 192)  
}
```

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(167, 129, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 129, 192) }
```

Border

The CSS property to change the border of an element to Yxy 27.7218, 0.2909, 0.2421 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(167, 129, 192) }
```

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

```
.border{ border-color:rgb(167, 129, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 129, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 129, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 129, 192); box-shadow:4px 4px 4px 4px rgb(167, 129, 192) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7218, 0.2909, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 129, 192) }
```

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

```
.background{ background-color: rgb(167,  
129, 192) }
```

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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