

Converting Colors

$Y_{xy}(27.3192, 0.2775, 0.2160)$

Have a look what the booklet for
Yxy(27.3192, 0.2775, 0.2160)
contains.

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Color

Yxy(27.2044, 0.2777, 0.2161)

Conversions

Conversions Part 1

Format	Color
Hex	A97BD1
RGB	169, 123, 209
RGB Percent	66%, 48%, 82%
CMY	0.3371, 0.5177, 0.1804
CMYK	0.19, 0.41, 0.00, 0.18
HSL	272°, 48%, 65%
HSV	272°, 41%, 82%
XYZ	34.9591, 27.2044, 63.7245
YIQ	146.5580, -0.1900, 36.4980

Conversions

Conversions Part 2

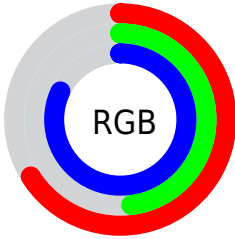
Format	Color
RYB	169, 123, 209
Decimal	11107281
CIELab	59.16, 34.26, -37.70
CIELCh	59, 50.946, 312.265
Yxy	27.2044, 0.2777, 0.2161
Android (android.graphics.Color)	4289297361 (0xFFA97BD1)
YUV	146.5580, 30.7839, 19.6816
Hunter-Lab	52.1578, 28.3645, -35.9278

Details

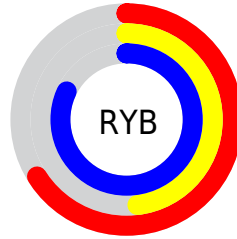
The Yxy color $27.2044, 0.2777, 0.2161$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $54.8070, 0.3360, 0.4441$, and the grayscale version is $28.8581, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.4394, 0.2937, 0.2463$, and $10.7430, 0.2641, 0.1856$ is the 20% darker color. If you saturate the color by 10%, you get $21.5282, 0.2663, 0.1872$, and if you desaturate by 10%, it is $34.0692, 0.2881, 0.2454$.

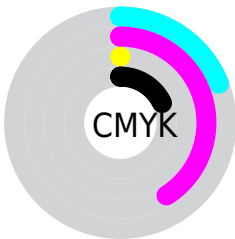
Distribution



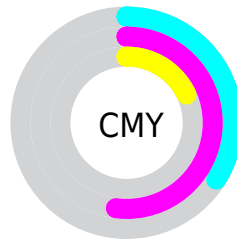
- Red (66%)
- Green (48%)
- Blue (82%)



- Red (66%)
- Yellow (48%)
- Blue (82%)



- Cyan (19%)
- Magenta (41%)
- Yellow (0%)
- Black (18%)




- Cyan (34%)
- Magenta (52%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2044, 0.2777, 0.2161 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 27.2044, 0.2777, 0.2161 by changing the saturation by 10% instead.


 27.2044, 0.2777,
0.2161


 27.2044, 0.2777,
0.2161

288.6454, 0.2978,
0.2721


 17.7268, 0.2720,
0.2026


 55.2117, 0.2856,
0.2362

 10.7540, 0.2642,
0.1856


 74.5102, 0.2883,
0.2438

 5.9017, 0.2532,
0.1638


 97.8510, 0.2906,
0.2503

 2.7854, 0.2368,
0.1352

125.6187, 0.2925,
0.2559

 1.0207, 0.2108,
0.0973

158.1976, 0.2941,
0.2607

 0.0000, 0.1744,
0.0000

195.9721, 0.2955,

 0.0000, 0.0000,

0.2650

0.0000

239.3266, 0.2967,
0.2687

■ 27.2044, 0.2777,
0.2161

■ 27.2044, 0.2777,
0.2161

■ 21.5282, 0.2663,
0.1872

■ 34.0692, 0.2881,
0.2454

■ 16.9646, 0.2542,
0.1599

■ 42.1858, 0.2972,
0.2739

■ 13.4334, 0.2418,
0.1357


■ 51.6168, 0.3052,
0.3010


■ 10.8422, 0.2295,
0.1158


■ 62.4194, 0.3120,
0.3262

■ 9.0807, 0.2180,
0.1013


■ 74.6474, 0.3177,
0.3493

 8.0419, 0.2086,
0.0923

 88.3518, 0.3225,
0.3702

 94.1273, 0.3281,
0.3758

 95.8440, 0.3345,
0.3749

 97.3831, 0.3400,
0.3741

Harmonies

Analogous

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



27.2044, 0.2125, 0.2026



27.2044, 0.2777, 0.2161



27.2044, 0.3636, 0.2517

Triad

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



27.2044, 0.2777, 0.2161



27.2044, 0.4634, 0.4237



27.2044, 0.1946, 0.3377

Complementary

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



27.2044, 0.2777, 0.2161



54.8070, 0.3360, 0.4441

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.



27.2044, 0.2511, 0.4298



27.2044, 0.2777, 0.2161



27.2044, 0.4063, 0.4733

Square

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



27.2044, 0.2777, 0.2161



27.2044, 0.4799, 0.3629



27.2044, 0.3287, 0.4836



27.2044, 0.1700, 0.2593

Rectangle

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



27.2044, 0.2777, 0.2161



27.2044, 0.4194, 0.2848



27.2044, 0.3287, 0.4836



27.2044, 0.2101, 0.3691

Sweetspot

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



27.2055, 0.2777, 0.2161



79.4096, 0.3045, 0.2984



35.0513, 0.2462, 0.2632



16.5585, 0.3035, 0.2949



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.



27.2055, 0.2777, 0.2161



35.0631, 0.2682, 0.1917



32.1794, 0.3203, 0.2314



11.7249, 0.3065, 0.3056



5.0180, 0.2101, 0.0931



0.3275, 0.2295, 0.1038

Inverse Universe

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



30.3592, 0.3677, 0.2793



40.8734, 0.3846, 0.2696



51.3098, 0.3051, 0.4509



11.8983, 0.3219, 0.3182



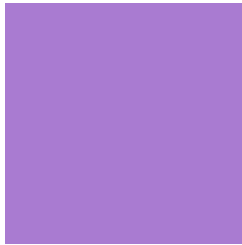
8.9104, 0.5094, 0.2580



0.5142, 0.4659, 0.2340

Previews

White Background



This preview shows how the Yxy color 27.2044, 0.2777, 0.2161 looks on a white background.

Color Contrast Check

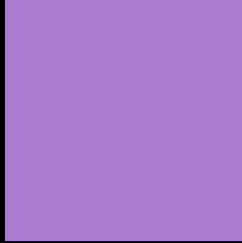
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2044, 0.2777, 0.2161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

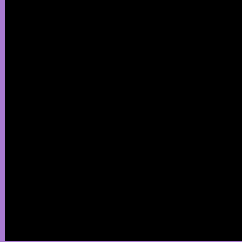
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2044, 0.2777, 0.2161

Background



This preview shows how black text looks on a background with the Yxy color 27.2044, 0.2777, 0.2161.



This preview shows how white text looks on a background with the Yxy color 27.2044, 0.2777, 0.2161.

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

27.2044, 0.2777, 0.2161

Protanopia

27.5286, 0.2252, 0.2110

Deuteranopia

27.3091, 0.2397, 0.2337



Tritanopia

27.0858, 0.3269, 0.3121

Trichromacy



Original Color

27.2044, 0.2777, 0.2161

Protanomaly

27.0987, 0.2413, 0.2119

Deuteranomaly

26.8248, 0.2524, 0.2258

Tritanomaly

26.9214, 0.3078, 0.2719

Monochromacy



Original Color

27.2044, 0.2777, 0.2161

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.0478, 0.2993, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2044, 0.2777, 0.2161 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(169, 123, 209)` looks like.

```
.text, #text, p{  
    color:rgb(169, 123, 209)  
}
```

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(169, 123, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 123, 209) }
```

Border

The CSS property to change the border of an element to Yxy 27.2044, 0.2777, 0.2161 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(169, 123, 209) }
```

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

```
.border{ border-color:rgb(169, 123, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 123, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 123, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 123, 209);  
box-shadow:4px 4px 4px 4px rgb(169, 123,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2044, 0.2777, 0.2161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 123, 209) }
```

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

```
.background{ background-color: rgb(169,  
123, 209) }
```

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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