

Converting Colors

$Y_{xy}(28.0726, 0.2552, 0.1904)$

Have a look what the booklet for
Yxy(28.0726, 0.2552, 0.1904)
contains.

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Color

Yxy(28.0242, 0.2551, 0.1897)

Conversions

Conversions Part 1

Format	Color
Hex	A67AEB
RGB	166, 122, 235
RGB Percent	65%, 48%, 92%
CMY	0.3489, 0.5216, 0.0784
CMYK	0.29, 0.48, 0.00, 0.08
HSL	263°, 74%, 70%
HSV	263°, 48%, 92%
XYZ	37.6857, 28.0242, 82.0192
YIQ	148.0380, -10.0490, 44.4710

Conversions

Conversions Part 2

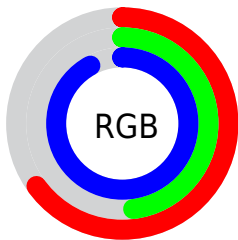
Format	Color
RYB	166, 122, 235
Decimal	10910443
CIELab	59.91, 40.12, -51.10
CIELCh	60, 64.967, 308.141
Yxy	28.0242, 0.2551, 0.1897
Android (android.graphics.Color)	4289100523 (0xFFA67AEB)
YUV	148.0380, 42.8723, 15.7527
Hunter-Lab	52.9379, 34.4301, -54.8043

Details

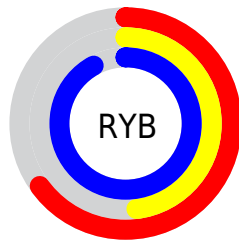
The Yxy color **28.0242, 0.2551, 0.1897** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **71.8913, 0.3506, 0.4609**, and the grayscale version is **29.4535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.5679, 0.2914, 0.2446**, and **11.2689, 0.2356, 0.1561** is the 20% darker color. If you saturate the color by 10%, you get **21.4712, 0.2396, 0.1593**, and if you desaturate by 10%, it is **36.1471, 0.2698, 0.2211**.

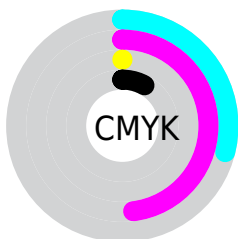
Distribution



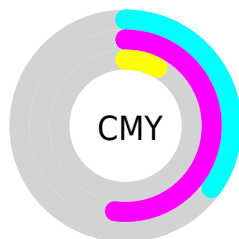
- Red (65%)
- Green (48%)
- Blue (92%)



- Red (65%)
- Yellow (48%)
- Blue (92%)



- Cyan (29%)
- Magenta (48%)
- Yellow (0%)
- Black (8%)





- Cyan (35%)
- Magenta (52%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0242, 0.2551, 0.1897 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 28.0242, 0.2551, 0.1897 by changing the saturation by 10% instead.


 28.0242, 0.2551,
0.1897


 28.0242, 0.2551,
0.1897


292.5825, 0.2869,
0.2563


 18.3439, 0.2466,
0.1745


 56.5231, 0.2672,
0.2129

 11.1972, 0.2354,
0.1560


 76.1104, 0.2716,
0.2219

 6.1996, 0.2204,
0.1332


 99.7690, 0.2752,
0.2297

 2.9668, 0.1994,
0.1051

127.8830, 0.2783,
0.2364

 1.1144, 0.1691,
0.0708

160.8370, 0.2809,
0.2423

 0.0000, 0.1291,
0.0000

199.0153, 0.2832,

 0.0000, 0.0000,

0.2475

0.0000

242.8024, 0.2852,
0.2521

■ 28.0242, 0.2551,
0.1897

■ 28.0242, 0.2551,
0.1897

■ 21.4712, 0.2396,
0.1593

■ 36.1471, 0.2698,
0.2211

■ 16.3771, 0.2239,
0.1315

■ 45.9342, 0.2831,
0.2520

■ 12.6207, 0.2088,
0.1081

■ 57.4760, 0.2950,
0.2814

■ 10.0586, 0.1951,
0.0905

■ 70.8552, 0.3054,
0.3087

■ 8.4929, 0.1834,
0.0791

■ 86.1495, 0.3143,
0.3336

■ 8.2525, 0.1814,
0.0773

■ 98.2284, 0.3225,
0.3484

■ 98.7781, 0.3244,
0.3483

Harmonies

Analogous

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



28.0242, 0.1830, 0.1772



28.0242, 0.2551, 0.1897



28.0242, 0.3596, 0.2278

Triad

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



28.0242, 0.2551, 0.1897



28.0242, 0.5014, 0.4259



28.0242, 0.1743, 0.3536

Complementary

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



28.0242, 0.2551, 0.1897



71.8913, 0.3506, 0.4609

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.



28.0242, 0.2450, 0.4749



28.0242, 0.2551, 0.1897



28.0242, 0.4328, 0.4961

Square

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



28.0242, 0.2551, 0.1897



28.0242, 0.5187, 0.3531



28.0242, 0.3399, 0.5295



28.0242, 0.1428, 0.2500

Rectangle

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



28.0242, 0.2551, 0.1897



28.0242, 0.4330, 0.2647



28.0242, 0.3399, 0.5295



28.0242, 0.1937, 0.3958

Sweetspot

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



28.0253, 0.2551, 0.1897



75.3995, 0.2994, 0.2927



47.6932, 0.2387, 0.2724



15.4132, 0.2971, 0.2866



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.



28.0253, 0.2551, 0.1897



25.7283, 0.2393, 0.1588



35.4148, 0.3058, 0.2082



14.8352, 0.3041, 0.3051



4.6615, 0.1830, 0.0782



0.4202, 0.1984, 0.0867

Inverse Universe

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



35.3379, 0.3632, 0.2536



35.8438, 0.3789, 0.2399



65.9864, 0.3131, 0.4778



15.2085, 0.3198, 0.3147



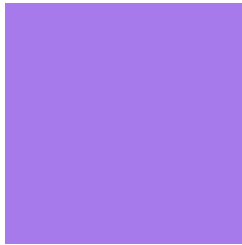
10.9662, 0.4496, 0.2251



0.8799, 0.4270, 0.2126

Previews

White Background



This preview shows how the Yxy color 28.0242, 0.2551, 0.1897 looks on a white background.

Color Contrast Check

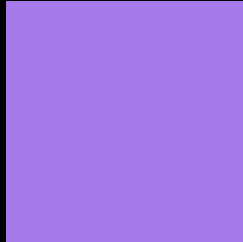
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0242, 0.2551, 0.1897 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

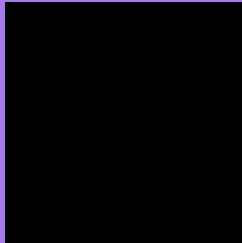
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0242, 0.2551, 0.1897

Background



This preview shows how black text looks on a background with the Yxy color 28.0242, 0.2551, 0.1897.

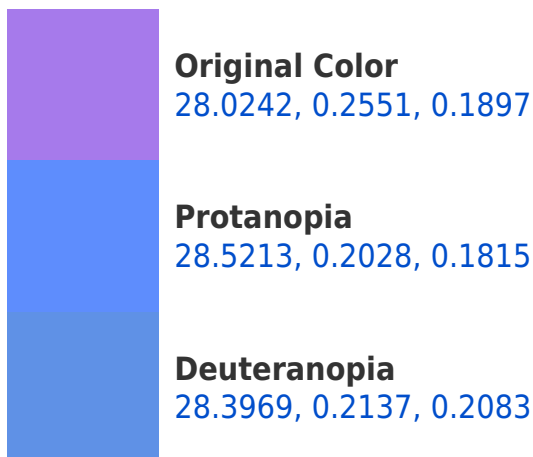


This preview shows how white text looks on a background with the Yxy color 28.0242, 0.2551, 0.1897.

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





Tritanopia

27.8337, 0.3104, 0.3102

Trichromacy



Original Color

28.0242, 0.2551, 0.1897

Protanomaly

27.6971, 0.2173, 0.1829

Deuteranomaly

27.7825, 0.2255, 0.1995

Tritanomaly

27.5370, 0.2882, 0.2578

Monochromacy



Original Color

28.0242, 0.2551, 0.1897

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.7291, 0.2901, 0.2690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0242, 0.2551, 0.1897 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(166, 122, 235)` looks like.

```
.text, #text, p{  
    color:rgb(166, 122, 235)  
}
```

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(166, 122, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 122, 235) }
```

Border

The CSS property to change the border of an element to Yxy 28.0242, 0.2551, 0.1897 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(166, 122, 235) }
```

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

```
.border{ border-color:rgb(166, 122, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 122, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 122, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 122, 235);  
box-shadow:4px 4px 4px 4px rgb(166, 122,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0242, 0.2551, 0.1897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 122, 235) }
```

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

```
.background{ background-color: rgb(166,  
122, 235) }
```

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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