

Converting Colors

$Y_{xy}(28.5281, 0.2467, 0.1986)$

Have a look what the booklet for
Yxy(28.5281, 0.2467, 0.1986)
contains.

Yxy(28.4669, 0.2466, 0.1978)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.4669, 0.2466, 0.1978)

Conversions

Conversions Part 1

Format	Color
Hex	9882E8
RGB	152, 130, 232
RGB Percent	60%, 51%, 91%
CMY	0.4041, 0.4901, 0.0902
CMYK	0.34, 0.44, 0.00, 0.09
HSL	253°, 69%, 71%
HSV	253°, 44%, 91%
XYZ	35.4901, 28.4669, 79.9606
YIQ	148.2060, -19.6300, 36.3860

Conversions

Conversions Part 2

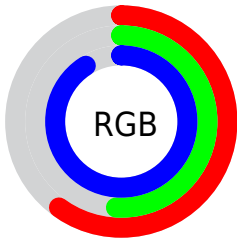
Format	Color
R_{YB}	152, 130, 232
Decimal	9994984
CIE _{Lab}	60.31, 31.13, -48.88
CIE _{LCh}	60, 57.948, 302.496
Yxy	28.4669, 0.2466, 0.1978
Android (android.graphics.Color)	4288185064 (0xFF9882E8)
YUV	148.2060, 41.3104, 3.3273
Hunter-Lab	53.3544, 25.3638, -51.5081

Details

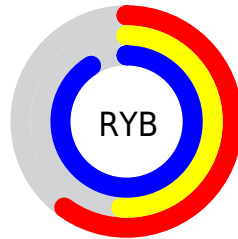
The Yxy color **28.4669, 0.2466, 0.1978** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.0291, 0.3614, 0.4437**, and the grayscale version is **29.5346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6423, 0.2813, 0.2508**, and **11.4133, 0.2250, 0.1642** is the 20% darker color. If you saturate the color by 10%, you get **21.3519, 0.2279, 0.1644**, and if you desaturate by 10%, it is **37.2448, 0.2644, 0.2311**.

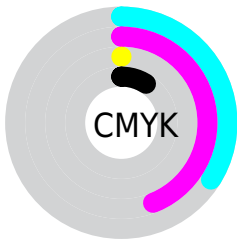
Distribution



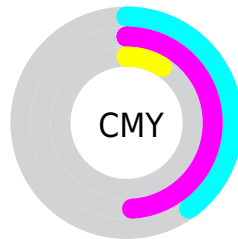
- Red (60%)
- Green (51%)
- Blue (91%)



- Red (60%)
- Yellow (51%)
- Blue (91%)



- Cyan (34%)
- Magenta (44%)
- Yellow (0%)
- Black (9%)




- Cyan (40%)
- Magenta (49%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4669, 0.2466, 0.1978 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 28.4669, 0.2466, 0.1978 by changing the saturation by 10% instead.


 28.4669, 0.2466,
0.1978


 28.4669, 0.2466,
0.1978


294.6913, 0.2822,
0.2614


 18.6779, 0.2372,
0.1830


 57.2290, 0.2600,
0.2202

 11.4378, 0.2251,
0.1649


 76.9709, 0.2649,
0.2288

 6.3621, 0.2088,
0.1422


 100.7993, 0.2690,
0.2362

 3.0665, 0.1864,
0.1138

129.0984, 0.2725,
0.2426

 1.1665, 0.1546,
0.0785

162.2528, 0.2754,
0.2482

 0.0341, 0.1126,
0.0048

200.6468, 0.2780,

 0.0000, 0.0000,

0.2531

0.0000

244.6648, 0.2803,
0.2575

■ 28.4669, 0.2466,
0.1978

■ 28.4669, 0.2466,
0.1978

■ 21.3519, 0.2279,
0.1644

■ 37.2448, 0.2644,
0.2311

■ 15.7898, 0.2093,
0.1330

■ 47.7798, 0.2808,
0.2630

■ 11.6620, 0.1919,
0.1057

■ 60.1626, 0.2954,
0.2925

■ 8.8307, 0.1770,
0.0846

■ 74.4768, 0.3082,
0.3192

■ 7.1302, 0.1654,
0.0709

■ 90.8008, 0.3192,
0.3430

■ 6.5017, 0.1601,
0.0656

■ 98.6057, 0.3262,
0.3513

Harmonies

Analogous

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



28.4669, 0.1862, 0.1914



28.4669, 0.2466, 0.1978



28.4669, 0.3365, 0.2290

Triad

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



28.4669, 0.2466, 0.1978



28.4669, 0.4909, 0.4085



28.4669, 0.1981, 0.3725

Complementary

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



28.4669, 0.2466, 0.1978



73.0291, 0.3614, 0.4437

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.



28.4669, 0.2691, 0.4714



28.4669, 0.2466, 0.1978



28.4669, 0.4381, 0.4717

Square

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



28.4669, 0.2466, 0.1978



28.4669, 0.4925, 0.3419



28.4669, 0.3570, 0.5062



28.4669, 0.1609, 0.2743

Rectangle

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



28.4669, 0.2466, 0.1978



28.4669, 0.4024, 0.2612



28.4669, 0.3570, 0.5062



28.4669, 0.2185, 0.4088

Sweetspot

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



28.4680, 0.2466, 0.1978



76.0381, 0.2966, 0.2950



57.4586, 0.2490, 0.3030



15.4930, 0.2935, 0.2888



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.



28.4680, 0.2466, 0.1978



27.0000, 0.2292, 0.1667



34.2692, 0.2894, 0.2122



14.0359, 0.3014, 0.3049



3.6544, 0.1613, 0.0662



0.3100, 0.1751, 0.0738

Inverse Universe

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



37.7804, 0.3387, 0.2419



40.1434, 0.3460, 0.2253



66.8570, 0.3256, 0.4583



14.5593, 0.3171, 0.3107



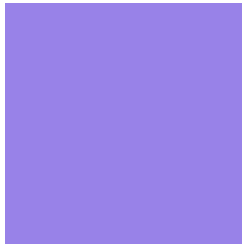
11.4204, 0.3840, 0.1889



0.8572, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 28.4669, 0.2466, 0.1978 looks on a white background.

Color Contrast Check

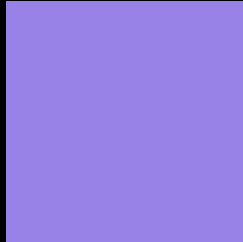
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4669, 0.2466, 0.1978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

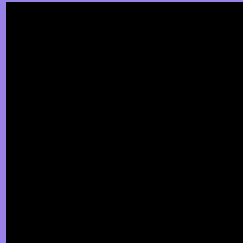
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4669, 0.2466, 0.1978

Background



This preview shows how black text looks on a background with the Yxy color 28.4669, 0.2466, 0.1978.



This preview shows how white text looks on a background with the Yxy color 28.4669, 0.2466, 0.1978.

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

28.4669, 0.2466, 0.1978

Protanopia

28.7006, 0.2113, 0.1929

Deuteranopia

28.6173, 0.2167, 0.2101



Tritanopia

28.5703, 0.2915, 0.3113

Trichromacy



Original Color

28.4669, 0.2466, 0.1978

Protanomaly

28.4739, 0.2223, 0.1944

Deuteranomaly

28.3913, 0.2260, 0.2052

Tritanomaly

28.3033, 0.2737, 0.2632

Monochromacy



Original Color

28.4669, 0.2466, 0.1978

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.6940, 0.2853, 0.2724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4669, 0.2466, 0.1978 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(152, 130, 232)` looks like.

```
.text, #text, p{  
    color:rgb(152, 130, 232)  
}
```

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(152, 130, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 130, 232) }
```

Border

The CSS property to change the border of an element to Yxy 28.4669, 0.2466, 0.1978 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(152, 130, 232) }
```

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

```
.border{ border-color:rgb(152, 130, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 130, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 130, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 130, 232);  
box-shadow:4px 4px 4px 4px rgb(152, 130,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4669, 0.2466, 0.1978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 130, 232) }
```

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

```
.background{ background-color: rgb(152,  
130, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor