

Converting Colors

$Y_{xy}(27.9969, 0.2457, 0.1944)$

Have a look what the booklet for
Yxy(27.9969, 0.2457, 0.1944)
contains.

| | |
|---|----|
| Yxy(27.9969, 0.2457, 0.1944) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(27.9969, 0.2457, 0.1944)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9880E9 |
| RGB | 152, 128, 233 |
| RGB Percent | 60%, 50%, 91% |
| CMY | 0.4037, 0.4981, 0.0862 |
| CMYK | 0.35, 0.45, 0.00, 0.09 |
| HSL | 254°, 70%, 71% |
| HSV | 254°, 45%, 91% |
| XYZ | 35.3850, 27.9969, 80.6351 |
| YIQ | 147.1460, -19.4010, 37.7430 |

Conversions

Conversions Part 2

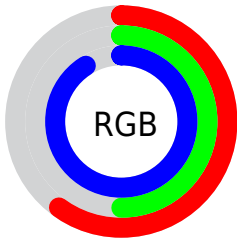
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 152, 128, 233 |
| Decimal | 9994473 |
| CIE _{Lab} | 59.89, 32.60, -50.11 |
| CIE _{LCh} | 60, 59.779, 303.045 |
| Yxy | 27.9969, 0.2457, 0.1944 |
| Android (android.graphics.Color) | 4288184553 (0xFF9880E9) |
| YUV | 147.1460, 42.3260, 4.2570 |
| Hunter-Lab | 52.9121, 26.7757, -53.3162 |

Details

The Yxy color **27.9969, 0.2457, 0.1944** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.3846, 0.3613, 0.4471**, and the grayscale version is **29.0716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.8231, 0.2812, 0.2486**, and **11.1645, 0.2237, 0.1602** is the 20% darker color. If you saturate the color by 10%, you get **20.9983, 0.2272, 0.1613**, and if you desaturate by 10%, it is **36.6553, 0.2634, 0.2277**.

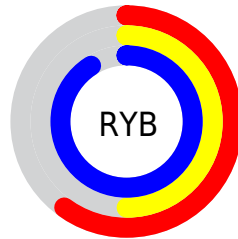
Distribution



Red (60%)

Green (50%)

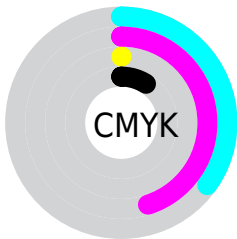
Blue (91%)



Red (60%)

Yellow (50%)

Blue (91%)

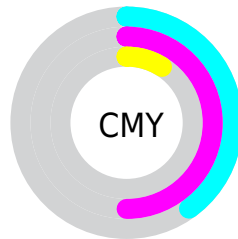


Cyan (35%)

Magenta (45%)

Yellow (0%)

Black (9%)



Cyan (40%)


Magenta (50%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9969, 0.2457, 0.1944 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 27.9969, 0.2457, 0.1944 by changing the saturation by 10% instead.

 27.9969, 0.2457,
0.1944


 27.9969, 0.2457,
0.1944


292.4521, 0.2819,
0.2595


 18.3233, 0.2362,
0.1794


 56.4795, 0.2593,
0.2173

 11.1824, 0.2238,
0.1609


 76.0573, 0.2643,
0.2261

 6.1896, 0.2073,
0.1380


 99.7053, 0.2685,
0.2337

 2.9607, 0.1845,
0.1094

127.8079, 0.2720,
0.2402

 1.1113, 0.1523,
0.0743

160.7495, 0.2750,
0.2460

 0.0000, 0.1101,
0.0000

198.9144, 0.2776,

 0.0000, 0.0000,

0.2510

0.0000

242.6872, 0.2799,
0.2555

■ 27.9969, 0.2457,
0.1944

■ 27.9969, 0.2457,
0.1944

■ 20.9983, 0.2272,
0.1613

■ 36.6553, 0.2634,
0.2277

■ 15.5478, 0.2088,
0.1304

■ 47.0692, 0.2796,
0.2597

■ 11.5247, 0.1917,
0.1038

■ 59.3303, 0.2942,
0.2894

■ 8.7881, 0.1771,
0.0835

■ 73.5232, 0.3069,
0.3164

■ 7.1670, 0.1657,
0.0705

■ 89.7271, 0.3179,
0.3405

■ 6.6522, 0.1614,
0.0663

■ 98.6636, 0.3256,
0.3503

Harmonies

Analogous

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



27.9969, 0.1832, 0.1872



27.9969, 0.2457, 0.1944



27.9969, 0.3390, 0.2268

Triad

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



27.9969, 0.2457, 0.1944



27.9969, 0.4959, 0.4109



27.9969, 0.1931, 0.3718

Complementary

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



27.9969, 0.2457, 0.1944



73.3846, 0.3613, 0.4471

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.



27.9969, 0.2655, 0.4761



27.9969, 0.2457, 0.1944



27.9969, 0.4399, 0.4766

Square

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



27.9969, 0.2457, 0.1944



27.9969, 0.4994, 0.3426



27.9969, 0.3558, 0.5130



27.9969, 0.1560, 0.2703

Rectangle

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



27.9969, 0.2457, 0.1944



27.9969, 0.4074, 0.2599



27.9969, 0.3558, 0.5130



27.9969, 0.2137, 0.4100

Sweetspot

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



27.9979, 0.2457, 0.1944



74.4497, 0.2956, 0.2922



56.6888, 0.2472, 0.3000



15.1836, 0.2926, 0.2861



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.



27.9979, 0.2457, 0.1944



26.3904, 0.2287, 0.1639



34.0481, 0.2902, 0.2097



14.7155, 0.3015, 0.3049



3.8203, 0.1626, 0.0669



0.3423, 0.1758, 0.0742

Inverse Universe

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



37.3576, 0.3411, 0.2412



39.4033, 0.3488, 0.2253



67.0827, 0.3246, 0.4625



15.2512, 0.3173, 0.3110



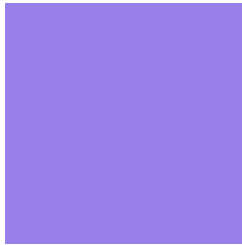
11.7096, 0.3889, 0.1916



0.9339, 0.3775, 0.1853

Previews

White Background



This preview shows how the Yxy color 27.9969, 0.2457, 0.1944 looks on a white background.

Color Contrast Check

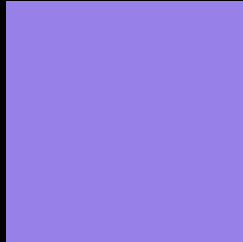
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9969, 0.2457, 0.1944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

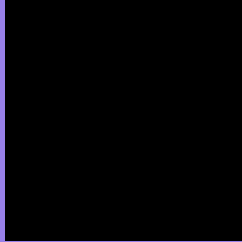
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9969, 0.2457, 0.1944

Background



This preview shows how black text looks on a background with the Yxy color 27.9969, 0.2457, 0.1944.



This preview shows how white text looks on a background with the Yxy color 27.9969, 0.2457, 0.1944.

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

27.9969, 0.2457, 0.1944

Protanopia

28.3517, 0.2087, 0.1892

Deuteranopia

28.0905, 0.2143, 0.2080



Tritanopia

27.9194, 0.2923, 0.3096

Trichromacy



Original Color

27.9969, 0.2457, 0.1944

Protanomaly

27.8811, 0.2196, 0.1896

Deuteranomaly

27.6031, 0.2236, 0.2018

Tritanomaly

27.7188, 0.2735, 0.2601

Monochromacy



Original Color

27.9969, 0.2457, 0.1944

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.3601, 0.2861, 0.2722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9969, 0.2457, 0.1944 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, 128, 233)` looks like.

```
.text, #text, p{  
    color:rgb(152, 128, 233)  
}
```

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, 128, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 128, 233) }
```

Border

The CSS property to change the border of an element to Yxy 27.9969, 0.2457, 0.1944 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, 128, 233) }
```

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

```
.border{ border-color:rgb(152, 128, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 128, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 128, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 128, 233);  
box-shadow:4px 4px 4px 4px rgb(152, 128,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9969, 0.2457, 0.1944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 128, 233) }
```

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

```
.background{ background-color: rgb(152,  
128, 233) }
```

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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