

Converting Colors

$Y_{xy}(28.0974, 0.2544, 0.2022)$

Have a look what the booklet for
Yxy(28.0974, 0.2544, 0.2022)
contains.

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Color

Yxy(28.0974, 0.2544, 0.2022)

Conversions

Conversions Part 1

Format	Color
Hex	9D80E2
RGB	157, 128, 226
RGB Percent	62%, 50%, 89%
CMY	0.3843, 0.4980, 0.1137
CMYK	0.31, 0.43, 0.00, 0.11
HSL	258°, 63%, 69%
HSV	258°, 43%, 89%
XYZ	35.3510, 28.0974, 75.5100
YIQ	147.8430, -14.1740, 36.6260

Conversions

Conversions Part 2

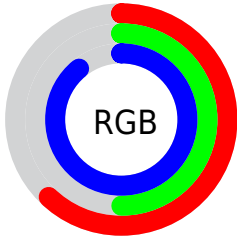
Format	Color
RYB	157, 128, 226
Decimal	10322146
CIELab	59.98, 32.09, -46.03
CIElCh	60, 56.116, 304.880
Yxy	28.0974, 0.2544, 0.2022
Android (android.graphics.Color)	4288512226 (0xFF9D80E2)
YUV	147.8430, 38.5314, 8.0307
Hunter-Lab	53.0070, 26.2817, -47.3555

Details

The Yxy color **28.0974, 0.2544, 0.2022** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **67.8205, 0.3546, 0.4444**, and the grayscale version is **29.3874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5639, 0.2849, 0.2495**, and **11.1758, 0.2342, 0.1693** is the 20% darker color. If you saturate the color by 10%, you get **21.3471, 0.2373, 0.1699**, and if you desaturate by 10%, it is **36.3711, 0.2705, 0.2345**.

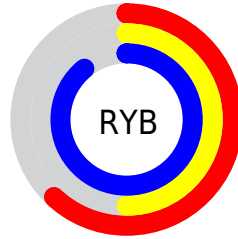
Distribution



Red (62%)

Green (50%)

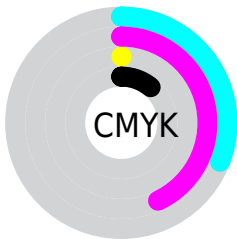
Blue (89%)



Red (62%)

Yellow (50%)

Blue (89%)

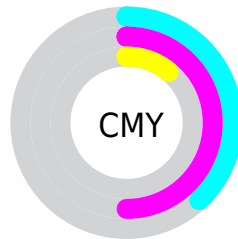


Cyan (31%)

Magenta (43%)

Yellow (0%)

Black (11%)



Cyan (38%)


Magenta (50%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0974, 0.2544, 0.2022 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 28.0974, 0.2544, 0.2022 by changing the saturation by 10% instead.


 28.0974, 0.2544,
0.2022


 28.0974, 0.2544,
0.2022


292.9320, 0.2863,
0.2640


 18.3991, 0.2459,
0.1877


 56.6399, 0.2665,
0.2241

 11.2369, 0.2347,
0.1698


 76.2529, 0.2709,
0.2325

 6.2264, 0.2195,
0.1472


 99.9396, 0.2745,
0.2396

 2.9832, 0.1983,
0.1186

128.0843, 0.2776,
0.2459

 1.1230, 0.1672,
0.0826

161.0716, 0.2802,
0.2513

 0.0000, 0.1259,
0.0000

199.2857, 0.2825,

 0.0000, 0.0000,

0.2560

0.0000

243.1110, 0.2845,
0.2603

■ 28.0974, 0.2544,
0.2022

■ 28.0974, 0.2544,
0.2022

■ 21.3471, 0.2373,
0.1699

■ 36.3711, 0.2705,
0.2345

■ 16.0209, 0.2199,
0.1393

■ 46.2525, 0.2851,
0.2656

■ 12.0122, 0.2031,
0.1124

■ 57.8237, 0.2980,
0.2945

■ 9.1977, 0.1879,
0.0912

■ 71.1600, 0.3093,
0.3208

■ 7.4290, 0.1754,
0.0767

■ 86.3321, 0.3190,
0.3444

■ 6.6800, 0.1686,
0.0702

■ 97.7949, 0.3281,
0.3573

■ 98.2709, 0.3298,
0.3572

Harmonies

Analogous

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



28.0974, 0.1925, 0.1940



28.0974, 0.2544, 0.2022



28.0974, 0.3437, 0.2346

Triad

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



28.0974, 0.2544, 0.2022



28.0974, 0.4842, 0.4127



28.0974, 0.1968, 0.3631

Complementary

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



28.0974, 0.2544, 0.2022



67.8205, 0.3546, 0.4444

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.



28.0974, 0.2642, 0.4609



28.0974, 0.2544, 0.2022



28.0974, 0.4301, 0.4729

Square

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



28.0974, 0.2544, 0.2022



28.0974, 0.4899, 0.3474



28.0974, 0.3497, 0.5014



28.0974, 0.1629, 0.2699

Rectangle

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



28.0974, 0.2544, 0.2022



28.0974, 0.4074, 0.2671



28.0974, 0.3497, 0.5014



28.0974, 0.2159, 0.3983

Sweetspot

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



28.0985, 0.2544, 0.2022



76.4819, 0.2984, 0.2952



50.5751, 0.2480, 0.2925



15.6014, 0.2956, 0.2890



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.



28.0985, 0.2544, 0.2022



28.8813, 0.2391, 0.1731



33.8759, 0.2976, 0.2165



13.4389, 0.3026, 0.3051



3.8645, 0.1700, 0.0710



0.3132, 0.1865, 0.0801

Inverse Universe

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



35.6388, 0.3464, 0.2511



40.2229, 0.3561, 0.2363



62.3622, 0.3199, 0.4584



13.8629, 0.3183, 0.3126



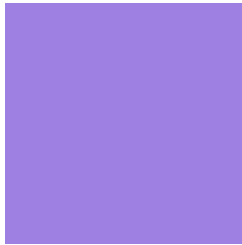
10.6765, 0.4127, 0.2047



0.7555, 0.3952, 0.1951

Previews

White Background



This preview shows how the Yxy color 28.0974, 0.2544, 0.2022 looks on a white background.

Color Contrast Check

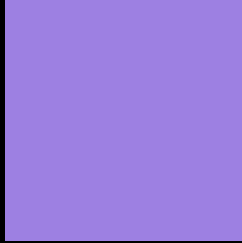
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0974, 0.2544, 0.2022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

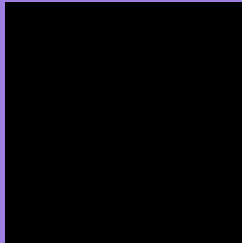
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0974, 0.2544, 0.2022

Background



This preview shows how black text looks on a background with the Yxy color 28.0974, 0.2544, 0.2022.



This preview shows how white text looks on a background with the Yxy color 28.0974, 0.2544, 0.2022.

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

28.0974, 0.2544, 0.2022

Protanopia

28.2261, 0.2142, 0.1964

Deuteranopia

28.2775, 0.2221, 0.2156



Tritanopia

28.1527, 0.3011, 0.3115

Trichromacy



Original Color

28.0974, 0.2544, 0.2022

Protanomaly

27.8339, 0.2262, 0.1969

Deuteranomaly

27.8439, 0.2320, 0.2094

Tritanomaly

27.8091, 0.2824, 0.2649

Monochromacy



Original Color

28.0974, 0.2544, 0.2022

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.7637, 0.2899, 0.2768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0974, 0.2544, 0.2022 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(157, 128, 226)` looks like.

```
.text, #text, p{  
    color:rgb(157, 128, 226)  
}
```

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(157, 128, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 128, 226) }
```

Border

The CSS property to change the border of an element to Yxy 28.0974, 0.2544, 0.2022 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(157, 128, 226) }
```

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

```
.border{ border-color:rgb(157, 128, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 128, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 128, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 128, 226);  
box-shadow:4px 4px 4px 4px rgb(157, 128,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0974, 0.2544, 0.2022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 128, 226) }
```

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

```
.background{ background-color: rgb(157,  
128, 226) }
```

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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