

Converting Colors

$Y_{xy}(28.7896, 0.2531, 0.2037)$

Have a look what the booklet for
Yxy(28.7896, 0.2531, 0.2037)
contains.

Yxy(28.9020, 0.2526, 0.2038)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.9020, 0.2526, 0.2038)

Conversions

Conversions Part 1

Format	Color
Hex	9C83E4
RGB	156, 131, 228
RGB Percent	61%, 51%, 89%
CMY	0.3884, 0.4862, 0.1059
CMYK	0.32, 0.43, 0.00, 0.11
HSL	255°, 64%, 70%
HSV	255°, 43%, 89%
XYZ	35.8226, 28.9020, 77.0909
YIQ	149.5330, -16.2370, 35.4670

Conversions

Conversions Part 2

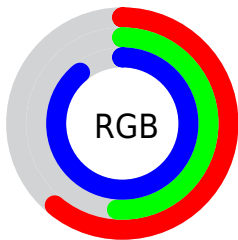
Format	Color
R_{YB}	156, 131, 228
Decimal	10257380
CIE _{Lab}	60.70, 30.59, -46.02
CIE _{LCh}	61, 55.260, 303.607
Yxy	28.9020, 0.2526, 0.2038
Android (android.graphics.Color)	4288447460 (0xFF9C83E4)
YUV	149.5330, 38.6842, 5.6716
Hunter-Lab	53.7606, 24.8599, -47.3875

Details

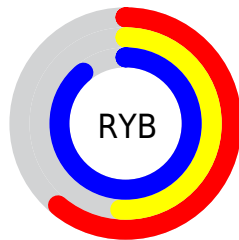
The Yxy color **28.9020, 0.2526, 0.2038** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.8350, 0.3568, 0.4411**, and the grayscale version is **30.1289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6471, 0.2843, 0.2526**, and **11.6301, 0.2323, 0.1715** is the 20% darker color. If you saturate the color by 10%, you get **21.8634, 0.2348, 0.1709**, and if you desaturate by 10%, it is **37.5260, 0.2694, 0.2365**.

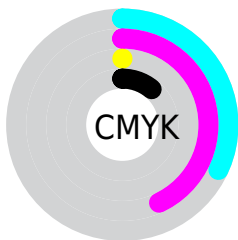
Distribution



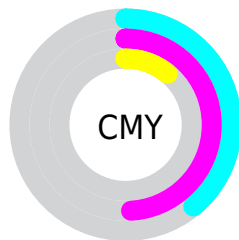
- Red (61%)
- Green (51%)
- Blue (89%)



- Red (61%)
- Yellow (51%)
- Blue (89%)



- Cyan (32%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)





- Cyan (39%)
- Magenta (49%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9020, 0.2526, 0.2038 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 28.9020, 0.2526, 0.2038 by changing the saturation by 10% instead.


 28.9020, 0.2526,
0.2038


 28.9020, 0.2526,
0.2038


296.7523, 0.2852,
0.2647


 19.0067, 0.2440,
0.1895


 57.9213, 0.2649,
0.2253

 11.6751, 0.2327,
0.1719


 77.8142, 0.2694,
0.2336

 6.5229, 0.2175,
0.1497


 101.8083, 0.2731,
0.2407

 3.1655, 0.1963,
0.1215

130.2881, 0.2763,
0.2468

 1.2188, 0.1656,
0.0859

163.6381, 0.2790,
0.2522

 0.0769, 0.1243,
0.0117

202.2425, 0.2813,

 0.0000, 0.0000,

0.2569

0.0000

246.4857, 0.2834,
0.2610

■ 28.9020, 0.2526,
0.2038

■ 28.9020, 0.2526,
0.2038

■ 21.8634, 0.2348,
0.1709

■ 37.5260, 0.2694,
0.2365

■ 16.3078, 0.2167,
0.1396

■ 47.8224, 0.2847,
0.2677

■ 12.1259, 0.1994,
0.1119

■ 59.8758, 0.2982,
0.2966

■ 9.1911, 0.1840,
0.0900

■ 73.7640, 0.3100,
0.3228

■ 7.3521, 0.1715,
0.0749

■ 89.5601, 0.3201,
0.3462

■ 6.5193, 0.1642,
0.0678

■ 98.3816, 0.3286,
0.3552

Harmonies

Analogous

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



28.9020, 0.1931, 0.1969



28.9020, 0.2526, 0.2038



28.9020, 0.3391, 0.2347

Triad

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



28.9020, 0.2526, 0.2038



28.9020, 0.4820, 0.4090



28.9020, 0.2016, 0.3667

Complementary

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



28.9020, 0.2526, 0.2038



69.8350, 0.3568, 0.4411

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.



28.9020, 0.2690, 0.4604



28.9020, 0.2526, 0.2038



28.9020, 0.4310, 0.4681

Square

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



28.9020, 0.2526, 0.2038



28.9020, 0.4846, 0.3448



28.9020, 0.3530, 0.4970



28.9020, 0.1666, 0.2748

Rectangle

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



28.9020, 0.2526, 0.2038



28.9020, 0.4014, 0.2663



28.9020, 0.3530, 0.4970



28.9020, 0.2209, 0.4008

Sweetspot

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



28.9031, 0.2526, 0.2038



76.2672, 0.2975, 0.2951



53.4994, 0.2498, 0.2976



15.5489, 0.2946, 0.2889



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.



28.9031, 0.2526, 0.2038



29.1818, 0.2370, 0.1749



34.6435, 0.2949, 0.2176



14.0653, 0.3020, 0.3050



3.8125, 0.1654, 0.0685



0.3254, 0.1802, 0.0767

Inverse Universe

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



37.0486, 0.3417, 0.2487



41.1657, 0.3498, 0.2334



64.1228, 0.3221, 0.4548



14.5486, 0.3177, 0.3117



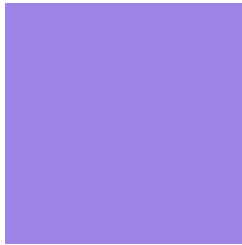
11.2073, 0.3986, 0.1969



0.8431, 0.3847, 0.1893

Previews

White Background



This preview shows how the Yxy color 28.9020, 0.2526, 0.2038 looks on a white background.

Color Contrast Check

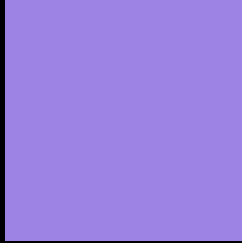
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9020, 0.2526, 0.2038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

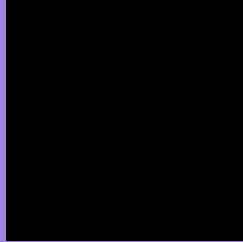
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9020, 0.2526, 0.2038

Background



This preview shows how black text looks on a background with the Yxy color 28.9020, 0.2526, 0.2038.



This preview shows how white text looks on a background with the Yxy color 28.9020, 0.2526, 0.2038.

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

28.9020, 0.2526, 0.2038

Protanopia

29.0651, 0.2160, 0.1987

Deuteranopia

29.1198, 0.2228, 0.2168



Tritanopia

28.7772, 0.2974, 0.3100

Trichromacy



Original Color

28.9020, 0.2526, 0.2038

Protanomaly

28.8234, 0.2271, 0.2002

Deuteranomaly

28.9007, 0.2324, 0.2118

Tritanomaly

28.6717, 0.2800, 0.2667

Monochromacy



Original Color

28.9020, 0.2526, 0.2038

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.5347, 0.2892, 0.2772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9020, 0.2526, 0.2038 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(156, 131, 228)` looks like.

```
.text, #text, p{  
    color:rgb(156, 131, 228)  
}
```

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(156, 131, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 131, 228) }
```

Border

The CSS property to change the border of an element to Yxy 28.9020, 0.2526, 0.2038 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(156, 131, 228) }
```

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

```
.border{ border-color:rgb(156, 131, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 131, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 131, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 131, 228);  
box-shadow:4px 4px 4px 4px rgb(156, 131,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9020, 0.2526, 0.2038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 131, 228) }
```

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

```
.background{ background-color: rgb(156,  
131, 228) }
```

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