

Converting Colors

$Y_{xy}(28.2628, 0.2532, 0.1979)$

Have a look what the booklet for
Yxy(28.2628, 0.2532, 0.1979)
contains.

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Color

Yxy(28.2628, 0.2532, 0.1979)

Conversions

Conversions Part 1

Format	Color
Hex	9F7FE6
RGB	159, 127, 230
RGB Percent	62%, 50%, 90%
CMY	0.3766, 0.5019, 0.0982
CMYK	0.31, 0.45, 0.00, 0.10
HSL	259°, 67%, 70%
HSV	259°, 45%, 90%
XYZ	36.1604, 28.2628, 78.3904
YIQ	148.3100, -13.9910, 38.8170

Conversions

Conversions Part 2

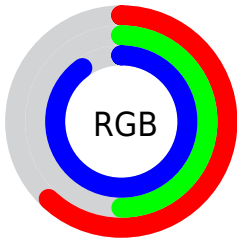
Format	Color
R_{YB}	159, 127, 230
Decimal	10452966
CIE _{Lab}	60.13, 34.17, -48.00
CIE _{LCh}	60, 58.923, 305.448
Yxy	28.2628, 0.2532, 0.1979
Android (android.graphics.Color)	4288643046 (0xFF9F7FE6)
YUV	148.3100, 40.2732, 9.3751
Hunter-Lab	53.1628, 28.3777, -50.2112

Details

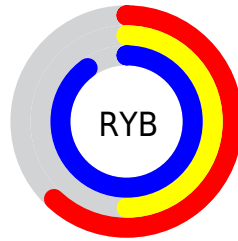
The Yxy color **28.2628, 0.2532, 0.1979** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **70.1215, 0.3547, 0.4488**, and the grayscale version is **29.5832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4614, 0.2863, 0.2487**, and **11.3068, 0.2330, 0.1646** is the 20% darker color. If you saturate the color by 10%, you get **21.4662, 0.2363, 0.1659**, and if you desaturate by 10%, it is **36.6252, 0.2692, 0.2302**.

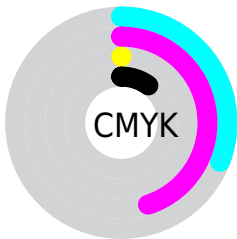
Distribution



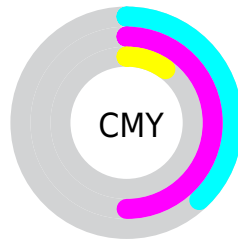
- Red (62%)
- Green (50%)
- Blue (90%)



- Red (62%)
- Yellow (50%)
- Blue (90%)



- Cyan (31%)
- Magenta (45%)
- Yellow (0%)
- Black (10%)





- Cyan (38%)
- Magenta (50%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2628, 0.2532, 0.1979 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 28.2628, 0.2532, 0.1979 by changing the saturation by 10% instead.

 28.2628, 0.2532,
0.1979


 28.2628, 0.2532,
0.1979

293.7205, 0.2857,
0.2614

 18.5239, 0.2445,
0.1832


 56.9037, 0.2655,
0.2202

 11.3267, 0.2332,
0.1651


 76.5745, 0.2700,
0.2288

 6.2871, 0.2179,
0.1425


 100.3247, 0.2737,
0.2362

 3.0204, 0.1966,
0.1140

128.5387, 0.2769,
0.2426

 1.1424, 0.1657,
0.0787

161.6009, 0.2796,
0.2482

 0.0139, 0.1248,
0.0020

199.8957, 0.2819,

 0.0000, 0.0000,

0.2531

0.0000

243.8074, 0.2839,
0.2575

■ 28.2628, 0.2532,
0.1979

■ 28.2628, 0.2532,
0.1979

■ 21.4662, 0.2363,
0.1659

■ 36.6252, 0.2692,
0.2302

■ 16.1310, 0.2191,
0.1359

■ 46.6424, 0.2837,
0.2614

■ 12.1446, 0.2026,
0.1099

■ 58.4002, 0.2967,
0.2905

■ 9.3758, 0.1878,
0.0896

■ 71.9774, 0.3079,
0.3172

■ 7.6653, 0.1756,
0.0761

■ 87.4482, 0.3176,
0.3412

■ 7.0638, 0.1702,
0.0712

■ 98.3290, 0.3268,
0.3533

■ 98.4915, 0.3274,
0.3533

Harmonies

Analogous

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



28.2628, 0.1887, 0.1887



28.2628, 0.2532, 0.1979



28.2628, 0.3468, 0.2317

Triad

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



28.2628, 0.2532, 0.1979



28.2628, 0.4904, 0.4158



28.2628, 0.1907, 0.3623

Complementary

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



28.2628, 0.2532, 0.1979



70.1215, 0.3547, 0.4488

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.



28.2628, 0.2598, 0.4667



28.2628, 0.2532, 0.1979



28.2628, 0.4325, 0.4792

Square

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



28.2628, 0.2532, 0.1979



28.2628, 0.4984, 0.3482



28.2628, 0.3484, 0.5099



28.2628, 0.1568, 0.2652

Rectangle

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



28.2628, 0.2532, 0.1979



28.2628, 0.4135, 0.2655



28.2628, 0.3484, 0.5099



28.2628, 0.2102, 0.3996

Sweetspot

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



28.2639, 0.2532, 0.1979



76.5609, 0.2987, 0.2952



51.1128, 0.2456, 0.2888



15.6208, 0.2960, 0.2891



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.



28.2639, 0.2532, 0.1979



27.4874, 0.2371, 0.1673



34.5083, 0.2985, 0.2134



14.1029, 0.3028, 0.3050



4.0571, 0.1717, 0.0719



0.3476, 0.1874, 0.0806

Inverse Universe

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



36.0829, 0.3495, 0.2501



38.8206, 0.3605, 0.2350



64.3705, 0.3189, 0.4637



14.5351, 0.3185, 0.3129



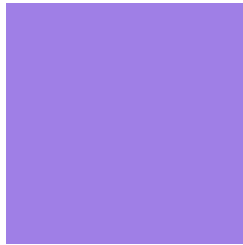
10.9576, 0.4182, 0.2077



0.8262, 0.4005, 0.1980

Previews

White Background



This preview shows how the Yxy color 28.2628, 0.2532, 0.1979 looks on a white background.

Color Contrast Check

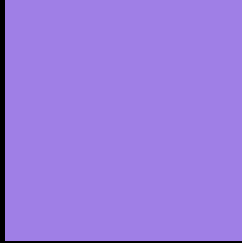
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2628, 0.2532, 0.1979 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 28.2628, 0.2532, 0.1979

Background



This preview shows how black text looks on a background with the Yxy color 28.2628, 0.2532, 0.1979.



This preview shows how white text looks on a background with the Yxy color 28.2628, 0.2532, 0.1979.

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

28.2628, 0.2532, 0.1979

Protanopia

28.6418, 0.2108, 0.1927

Deuteranopia

28.5666, 0.2192, 0.2135



Tritanopia

28.2424, 0.3022, 0.3115

Trichromacy



Original Color

28.2628, 0.2532, 0.1979



Protanomaly

28.2753, 0.2238, 0.1944



Deuteranomaly

27.9340, 0.2297, 0.2062



Tritanomaly

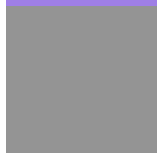
27.9439, 0.2825, 0.2638

Monochromacy



Original Color

28.2628, 0.2532, 0.1979



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.6459, 0.2890, 0.2727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2628, 0.2532, 0.1979 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(159, 127, 230)` looks like.

```
.text, #text, p{  
    color:rgb(159, 127, 230)  
}
```

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(159, 127, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 127, 230) }
```

Border

The CSS property to change the border of an element to Yxy 28.2628, 0.2532, 0.1979 is called "border". The border property can be set on classes, ids or directly on the HTML element.

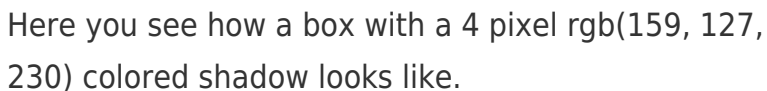
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 127, 230) }
```

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

```
.border{ border-color:rgb(159, 127, 230) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 127, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 127, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 127, 230); box-shadow:4px 4px 4px 4px rgb(159, 127, 230) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2628, 0.2532, 0.1979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 127, 230) }
```

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

```
.background{ background-color: rgb(159,  
127, 230) }
```

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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