

Converting Colors

$Y_{xy}(28.3072, 0.2355, 0.1713)$

Have a look what the booklet for
Yxy(28.3072, 0.2355, 0.1713)
contains.

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Color

Yxy(28.3072, 0.2355, 0.1713)

Conversions

Conversions Part 1

Format	Color
Hex	9D7AFF
RGB	157, 122, 255
RGB Percent	62%, 48%, 100%
CMY	0.3843, 0.5216, 0.0000
CMYK	0.38, 0.52, 0.00, 0.00
HSL	256°, 100%, 74%
HSV	256°, 52%, 100%
XYZ	38.9162, 28.3072, 98.0259
YIQ	147.6270, -21.8330, 48.7830

Conversions

Conversions Part 2

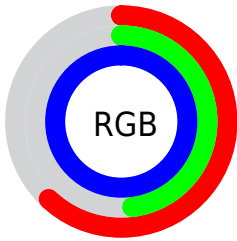
Format	Color
R_{YB}	157, 122, 255
Decimal	10320639
CIE _{Lab}	60.17, 42.98, -61.80
CIE _{LCh}	60, 75.276, 304.818
Yxy	28.3072, 0.2355, 0.1713
Android (android.graphics.Color)	4288510719 (0xFF9D7AFF)
YUV	147.6270, 52.9349, 8.2201
Hunter-Lab	53.2045, 37.4551, -71.9948

Details

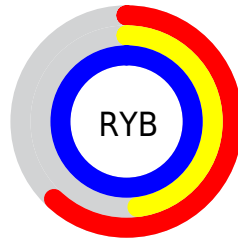
The Yxy color **28.3072, 0.2355, 0.1713** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **88.1383, 0.3645, 0.4670**, and the grayscale version is **29.2345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4789, 0.2861, 0.2433**, and **11.3186, 0.2115, 0.1365** is the 20% darker color. If you saturate the color by 10%, you get **21.0993, 0.2174, 0.1399**, and if you desaturate by 10%, it is **37.4491, 0.2533, 0.2044**.

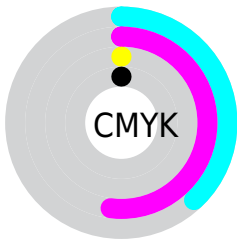
Distribution



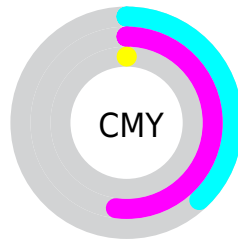
- Red (62%)
- Green (48%)
- Blue (100%)



- Red (62%)
- Yellow (48%)
- Blue (100%)



- Cyan (38%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3072, 0.2355, 0.1713 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 28.3072, 0.2355, 0.1713 by changing the saturation by 10% instead.


 28.3072, 0.2355,
0.1713


 28.3072, 0.2355,
0.1713


293.9319, 0.2769,
0.2446


 18.5574, 0.2249,
0.1553


 56.9745, 0.2508,
0.1963

 11.3509, 0.2115,
0.1363


 76.6608, 0.2565,
0.2062

 6.3034, 0.1939,
0.1135


 100.4280, 0.2613,
0.2148

 3.0304, 0.1706,
0.0864

128.6606, 0.2654,
0.2222

 1.1476, 0.1391,
0.0556

161.7428, 0.2689,
0.2288

 0.0183, 0.0996,
0.0017

200.0592, 0.2719,

 0.0000, 0.0028,

0.2347


0.0000

243.9941, 0.2746,
0.2399


 0.0000, 0.0000,
0.0000


 28.3072, 0.2355,
0.1713


 28.3072, 0.2355,
0.1713

 21.0993, 0.2174,
0.1399


 37.4491, 0.2533,
0.2044


 15.6792, 0.2001,
0.1121


 48.6531, 0.2700,
0.2372

 11.8816, 0.1846,
0.0901

 62.0377, 0.2852,
0.2685

 9.5080, 0.1720,
0.0751

 77.7123, 0.2987,
0.2975

 8.4180, 0.1644,
0.0679

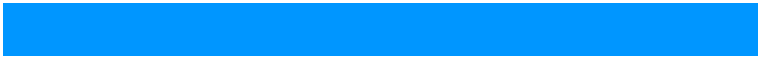
 95.7783, 0.3104,
0.3237

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



28.3072, 0.1616, 0.1605



28.3072, 0.2355, 0.1713



28.3072, 0.3509, 0.2097

Triad

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



28.3072, 0.2355, 0.1713



28.3072, 0.5285, 0.4205



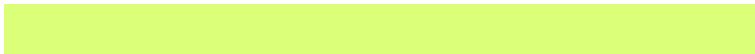
28.3072, 0.1622, 0.3717

Complementary

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



28.3072, 0.2355, 0.1713



88.1383, 0.3645, 0.4670

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.



28.3072, 0.2434, 0.5145



28.3072, 0.2355, 0.1713



28.3072, 0.4523, 0.5044

Square

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



28.3072, 0.2355, 0.1713



28.3072, 0.5450, 0.3418



28.3072, 0.3494, 0.5601



28.3072, 0.1254, 0.2466

Rectangle

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



28.3072, 0.2355, 0.1713



28.3072, 0.4373, 0.2482



28.3072, 0.3494, 0.5601



28.3072, 0.1847, 0.4228

Sweetspot

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



28.3077, 0.2355, 0.1713



71.4126, 0.2937, 0.2867



63.4668, 0.2373, 0.2889



14.5934, 0.2910, 0.2807



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.



28.3077, 0.2355, 0.1713



20.5761, 0.2159, 0.1374



36.6284, 0.2891, 0.1923



17.6089, 0.3020, 0.3047



4.4596, 0.1657, 0.0687



0.4845, 0.1769, 0.0748

Inverse Universe

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



40.3449, 0.3518, 0.2322



34.1170, 0.3630, 0.2164



79.9182, 0.3226, 0.4879



18.2139, 0.3179, 0.3117



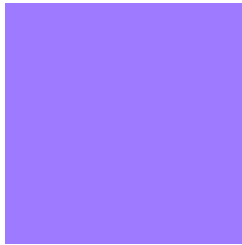
13.0289, 0.4013, 0.1984



1.2866, 0.3900, 0.1922

Previews

White Background



This preview shows how the Yxy color 28.3072, 0.2355, 0.1713 looks on a white background.

Color Contrast Check

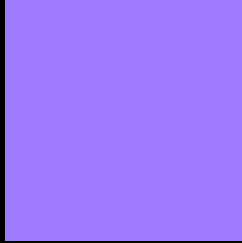
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3072, 0.2355, 0.1713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

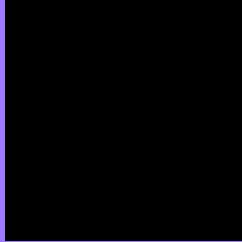
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3072, 0.2355, 0.1713

Background



This preview shows how black text looks on a background with the Yxy color 28.3072, 0.2355, 0.1713.



This preview shows how white text looks on a background with the Yxy color 28.3072, 0.2355, 0.1713.

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

28.3072, 0.2355, 0.1713

Protanopia

28.5451, 0.2012, 0.1796

Deuteranopia

28.5499, 0.1943, 0.1871



Tritanopia

28.1773, 0.2905, 0.3096

Trichromacy



Original Color

28.3072, 0.2355, 0.1713



Protanomaly

27.9832, 0.2111, 0.1749



Deuteranomaly

27.5163, 0.2038, 0.1777



Tritanomaly

27.5812, 0.2677, 0.2470

Monochromacy



Original Color

28.3072, 0.2355, 0.1713



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.6324, 0.2802, 0.2591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3072, 0.2355, 0.1713 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, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 122, 255)  
}
```

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, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 122, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.3072, 0.2355, 0.1713 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, 122, 255) }
```

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

```
.border{ border-color:rgb(157, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 122,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3072, 0.2355, 0.1713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 122, 255) }
```

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

```
.background{ background-color: rgb(157,  
122, 255) }
```

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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