

Converting Colors

$Y_{xy}(30.6455, 0.2518, 0.2059)$

Have a look what the booklet for
Yxy(30.6455, 0.2518, 0.2059)
contains.

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Color

Yxy(30.7606, 0.2517, 0.2059)

Conversions

Conversions Part 1

Format	Color
Hex	9E88E9
RGB	158, 136, 233
RGB Percent	62%, 53%, 91%
CMY	0.3806, 0.4666, 0.0863
CMYK	0.32, 0.42, 0.00, 0.09
HSL	254°, 69%, 72%
HSV	254°, 42%, 91%
XYZ	37.6029, 30.7606, 81.0323
YIQ	153.6360, -18.0250, 34.8310

Conversions

Conversions Part 2

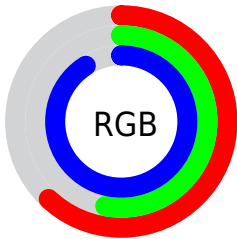
Format	Color
R_{YB}	158, 136, 233
Decimal	10389737
CIE _{Lab}	62.31, 29.53, -46.23
CIE _{LCh}	62, 54.862, 302.569
Yxy	30.7606, 0.2517, 0.2059
Android (android.graphics.Color)	4288579817 (0xFF9E88E9)
YUV	153.6360, 39.1265, 3.8272
Hunter-Lab	55.4622, 23.9626, -47.8012

Details

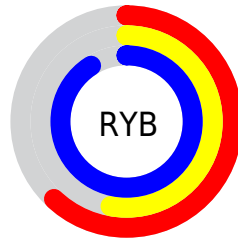
The Yxy color **30.7606, 0.2517, 0.2059** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.9031, 0.3583, 0.4380**, and the grayscale version is **31.9776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4940, 0.2860, 0.2594**, and **12.7135, 0.2318, 0.1748** is the 20% darker color. If you saturate the color by 10%, you get **23.2003, 0.2334, 0.1725**, and if you desaturate by 10%, it is **40.0177, 0.2690, 0.2389**.

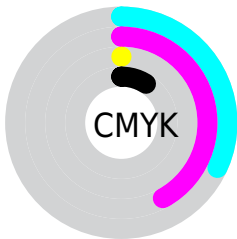
Distribution



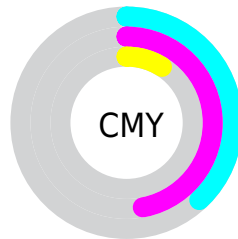
- Red (62%)
- Green (53%)
- Blue (91%)



- Red (62%)
- Yellow (53%)
- Blue (91%)



- Cyan (32%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)





- Cyan (38%)
- Magenta (47%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7606, 0.2517, 0.2059 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 30.7606, 0.2517, 0.2059 by changing the saturation by 10% instead.


 30.7606, 0.2517,
0.2059


 30.7606, 0.2517,
0.2059


305.4339, 0.2843,
0.2654


 20.4166, 0.2432,
0.1921

 60.8630, 0.2639,
0.2268

 12.6982, 0.2321,
0.1750


 81.3901, 0.2684,
0.2349

 7.2211, 0.2174,
0.1536


 106.0805, 0.2721,
0.2418

 3.6008, 0.1969,
0.1265

135.3184, 0.2753,
0.2478

 1.4528, 0.1677,
0.0921

169.4883, 0.2781,
0.2531

 0.2552, 0.1270,
0.0334

208.9746, 0.2804,

 0.0000, 0.0000,

0.2577

0.0000

254.1617, 0.2825,
0.2617

■ 30.7606, 0.2517,
0.2059

■ 30.7606, 0.2517,
0.2059

■ 23.2003, 0.2334,
0.1725

■ 40.0177, 0.2690,
0.2389

■ 17.2282, 0.2148,
0.1406

■ 51.0640, 0.2848,
0.2702

■ 12.7287, 0.1971,
0.1122

■ 63.9892, 0.2987,
0.2991

■ 9.5683, 0.1814,
0.0895

■ 78.8760, 0.3109,
0.3251

■ 7.5881, 0.1689,
0.0740

■ 95.8022, 0.3214,
0.3482

■ 6.6306, 0.1611,
0.0661

■ 98.6622, 0.3256,
0.3503

Harmonies

Analogous

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



30.7606, 0.1944, 0.2001



30.7606, 0.2517, 0.2059



30.7606, 0.3354, 0.2355

Triad

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



30.7606, 0.2517, 0.2059



30.7606, 0.4789, 0.4057



30.7606, 0.2063, 0.3693

Complementary

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



30.7606, 0.2517, 0.2059



73.9031, 0.3583, 0.4380

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.



30.7606, 0.2732, 0.4587



30.7606, 0.2517, 0.2059



30.7606, 0.4309, 0.4634

Square

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



30.7606, 0.2517, 0.2059



30.7606, 0.4791, 0.3429



30.7606, 0.3554, 0.4922



30.7606, 0.1706, 0.2792

Rectangle

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



30.7606, 0.2517, 0.2059



30.7606, 0.3960, 0.2661



30.7606, 0.3554, 0.4922



30.7606, 0.2256, 0.4021

Sweetspot

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



30.7618, 0.2517, 0.2059



77.7888, 0.2982, 0.2978



58.1929, 0.2516, 0.3025



16.1783, 0.2964, 0.2942



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.



30.7618, 0.2517, 0.2059



29.6294, 0.2359, 0.1770



36.5495, 0.2925, 0.2189



14.7132, 0.3015, 0.3049



3.8085, 0.1623, 0.0667



0.3411, 0.1755, 0.0740

Inverse Universe

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



39.6420, 0.3380, 0.2473



42.0684, 0.3450, 0.2317



67.8850, 0.3241, 0.4510



15.2521, 0.3172, 0.3110



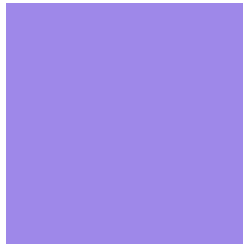
11.7264, 0.3878, 0.1910



0.9351, 0.3766, 0.1848

Previews

White Background



This preview shows how the Yxy color 30.7606, 0.2517, 0.2059 looks on a white background.

Color Contrast Check

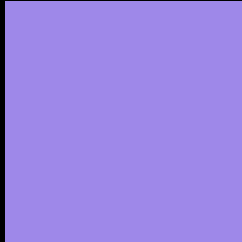
Large Text (above 18pt) WCAG AA × Fail

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 30.7606, 0.2517, 0.2059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

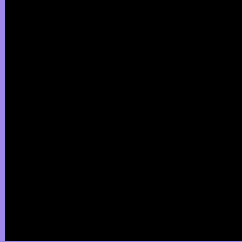
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7606, 0.2517, 0.2059

Background



This preview shows how black text looks on a background with the Yxy color 30.7606, 0.2517, 0.2059.



This preview shows how white text looks on a background with the Yxy color 30.7606, 0.2517, 0.2059.

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

30.7606, 0.2517, 0.2059

Protanopia

30.8492, 0.2181, 0.2013

Deuteranopia

30.9706, 0.2244, 0.2181



Tritanopia

30.7069, 0.2950, 0.3104

Trichromacy



Original Color

30.7606, 0.2517, 0.2059

Protanomaly

30.5440, 0.2286, 0.2026

Deuteranomaly

30.6874, 0.2333, 0.2130

Tritanomaly

30.5782, 0.2782, 0.2679

Monochromacy



Original Color

30.7606, 0.2517, 0.2059

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.2549, 0.2879, 0.2769

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7606, 0.2517, 0.2059 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(158, 136, 233)` looks like.

```
.text, #text, p{  
    color:rgb(158, 136, 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(158, 136, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 136, 233) }
```

Border

The CSS property to change the border of an element to Yxy 30.7606, 0.2517, 0.2059 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(158, 136, 233) }
```

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

```
.border{ border-color:rgb(158, 136, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 136, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 136, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 136, 233);  
box-shadow:4px 4px 4px 4px rgb(158, 136,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7606, 0.2517, 0.2059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 136, 233) }
```

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

```
.background{ background-color: rgb(158,  
136, 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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