

Converting Colors

$Y_{xy}(27.9583, 0.2509, 0.1791)$

Have a look what the booklet for
Yxy(27.9583, 0.2509, 0.1791)
contains.

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Color

Yxy(27.9235, 0.2511, 0.1790)

Conversions

Conversions Part 1

Format	Color
Hex	A976F4
RGB	169, 118, 244
RGB Percent	66%, 46%, 96%
CMY	0.3372, 0.5373, 0.0432
CMYK	0.31, 0.52, 0.00, 0.04
HSL	264°, 85%, 71%
HSV	264°, 52%, 96%
XYZ	39.1709, 27.9235, 88.9028
YIQ	147.6130, -10.0500, 49.9980

Conversions

Conversions Part 2

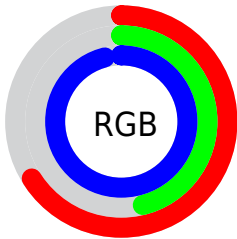
Format	Color
R _Y B	169, 118, 244
Decimal	11106036
CIE Lab	59.82, 45.28, -56.21
CIE LCh	60, 72.177, 308.854
Yxy	27.9235, 0.2511, 0.1790
Android (android.graphics.Color)	4289296116 (0xFFA976F4)
YUV	147.6130, 47.5188, 18.7564
Hunter-Lab	52.8427, 39.8427, -62.7599

Details

The Yxy color **27.9235, 0.2511, 0.1790** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **77.3347, 0.3513, 0.4717**, and the grayscale version is **29.2482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6767, 0.2944, 0.2412**, and **11.1129, 0.2306, 0.1441** is the 20% darker color. If you saturate the color by 10%, you get **21.3846, 0.2357, 0.1495**, and if you desaturate by 10%, it is **36.1286, 0.2658, 0.2101**.

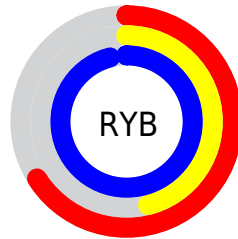
Distribution



Red (66%)

Green (46%)

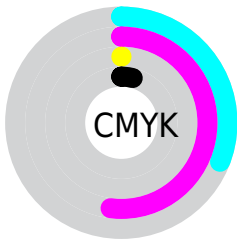
Blue (96%)



Red (66%)

Yellow (46%)

Blue (96%)

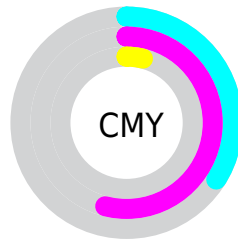


Cyan (31%)

Magenta (52%)

Yellow (0%)

Black (4%)



Cyan (34%)


Magenta (54%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9235, 0.2511, 0.1790 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 27.9235, 0.2511, 0.1790 by changing the saturation by 10% instead.


 27.9235, 0.2511,
0.1790


 27.9235, 0.2511,
0.1790


292.1012, 0.2851,
0.2495


 18.2680, 0.2421,
0.1633


 56.3623, 0.2640,
0.2033

 11.1426, 0.2303,
0.1445


 75.9144, 0.2687,
0.2128

 6.1628, 0.2147,
0.1216


 99.5341, 0.2726,
0.2210

 2.9443, 0.1931,
0.0939

127.6058, 0.2759,
0.2282

 1.1027, 0.1628,
0.0615

160.5140, 0.2787,
0.2345

 0.0000, 0.1230,
0.0000

198.6431, 0.2811,

 0.0000, 0.0086,


0.2401


0.0000


242.3773, 0.2832,
0.2450


 0.0000, 0.0000,
0.0000


 27.9235, 0.2511,
0.1790

 27.9235, 0.2511,
0.1790


 21.3846, 0.2357,
0.1495


 36.1286, 0.2658,
0.2101


 16.3860, 0.2204,
0.1233


 46.1068, 0.2794,
0.2412

 12.7878, 0.2058,
0.1021

 57.9597, 0.2915,
0.2711

 10.4218, 0.1929,
0.0869

 71.7801, 0.3022,
0.2992

 9.1728, 0.1836,
0.0785

 87.6544, 0.3113,
0.3250

99.3109, 0.3191,
0.3396

Harmonies

Analogous

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



27.9235, 0.1731, 0.1647



27.9235, 0.2511, 0.1790



27.9235, 0.3668, 0.2200

Triad

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



27.9235, 0.2511, 0.1790



27.9235, 0.5155, 0.4309



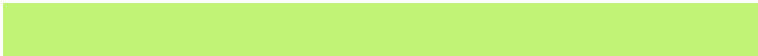
27.9235, 0.1596, 0.3515

Complementary

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



27.9235, 0.2511, 0.1790



77.3347, 0.3513, 0.4717

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.



27.9235, 0.2338, 0.4914



27.9235, 0.2511, 0.1790



27.9235, 0.4374, 0.5105

Square

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



27.9235, 0.2511, 0.1790



27.9235, 0.5399, 0.3528



27.9235, 0.3358, 0.5527



27.9235, 0.1286, 0.2383

Rectangle

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



27.9235, 0.2511, 0.1790



27.9235, 0.4486, 0.2594



27.9235, 0.3358, 0.5527



27.9235, 0.1797, 0.3996

Sweetspot

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



27.9245, 0.2511, 0.1790



73.9130, 0.2987, 0.2899



48.7844, 0.2330, 0.2644



15.1241, 0.2965, 0.2840



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.



27.9245, 0.2511, 0.1790



23.3204, 0.2349, 0.1481



36.5409, 0.3069, 0.2007



16.2543, 0.3043, 0.3050



5.0630, 0.1852, 0.0794



0.5033, 0.1991, 0.0871

Inverse Universe

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



36.0359, 0.3708, 0.2502



33.5513, 0.3885, 0.2374



70.7950, 0.3116, 0.4911



16.6481, 0.3200, 0.3150



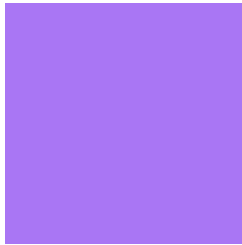
11.6004, 0.4562, 0.2287



1.0399, 0.4345, 0.2167

Previews

White Background



This preview shows how the Yxy color 27.9235, 0.2511, 0.1790 looks on a white background.

Color Contrast Check

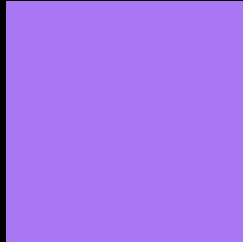
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9235, 0.2511, 0.1790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

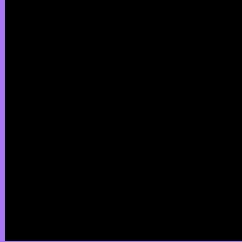
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9235, 0.2511, 0.1790

Background



This preview shows how black text looks on a background with the Yxy color 27.9235, 0.2511, 0.1790.



This preview shows how white text looks on a background with the Yxy color 27.9235, 0.2511, 0.1790.

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

27.9235, 0.2511, 0.1790

Protanopia

28.1498, 0.2001, 0.1780

Deuteranopia

28.2628, 0.2048, 0.1988



Tritanopia

27.8961, 0.3125, 0.3118

Trichromacy



Original Color

27.9235, 0.2511, 0.1790



Protanomaly

27.3895, 0.2140, 0.1762



Deuteranomaly

27.1966, 0.2167, 0.1881



Tritanomaly

27.5469, 0.2883, 0.2542

Monochromacy



Original Color

27.9235, 0.2511, 0.1790



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.3781, 0.2883, 0.2622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9235, 0.2511, 0.1790 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(169, 118, 244)` looks like.

```
.text, #text, p{  
    color:rgb(169, 118, 244)  
}
```

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(169, 118, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 118, 244) }
```

Border

The CSS property to change the border of an element to Yxy 27.9235, 0.2511, 0.1790 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(169, 118, 244) }
```

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

```
.border{ border-color:rgb(169, 118, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 118, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 118, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 118, 244);  
box-shadow:4px 4px 4px 4px rgb(169, 118,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9235, 0.2511, 0.1790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 118, 244) }
```

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

```
.background{ background-color: rgb(169,  
118, 244) }
```

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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