

Converting Colors

$Y_{xy}(29.7011, 0.2414, 0.1875)$

Have a look what the booklet for
Yxy(29.7011, 0.2414, 0.1875)
contains.

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Color

Yxy(29.6258, 0.2418, 0.1876)

Conversions

Conversions Part 1

Format	Color
Hex	9C82F5
RGB	156, 130, 245
RGB Percent	61%, 51%, 96%
CMY	0.3880, 0.4903, 0.0391
CMYK	0.36, 0.47, 0.00, 0.04
HSL	254°, 85%, 74%
HSV	254°, 47%, 96%
XYZ	38.1851, 29.6258, 90.1092
YIQ	150.8840, -21.4190, 41.2770

Conversions

Conversions Part 2

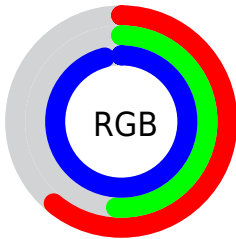
Format	Color
R _Y B	156, 130, 245
Decimal	10257141
CIE Lab	61.33, 35.62, -54.45
CIE LCh	61, 65.062, 303.194
Yxy	29.6258, 0.2418, 0.1876
Android (android.graphics.Color)	4288447221 (0xFF9C82F5)
YUV	150.8840, 46.3992, 4.4867
Hunter-Lab	54.4296, 29.9749, -60.0550

Details

The Yxy color **29.6258, 0.2418, 0.1876** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.9799, 0.3633, 0.4521**, and the grayscale version is **30.7029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.3831, 0.2850, 0.2516**, and **12.0775, 0.2197, 0.1543** is the 20% darker color. If you saturate the color by 10%, you get **22.1219, 0.2232, 0.1547**, and if you desaturate by 10%, it is **38.9783, 0.2598, 0.2211**.

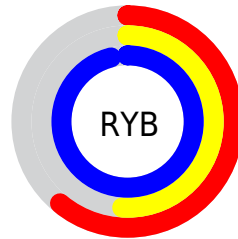
Distribution



Red (61%)

Green (51%)

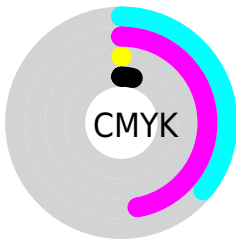
Blue (96%)



Red (61%)

Yellow (51%)

Blue (96%)

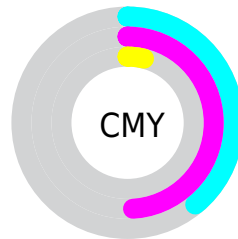


Cyan (36%)

Magenta (47%)

Yellow (0%)

Black (4%)



Cyan (39%)


Magenta (49%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6258, 0.2418, 0.1876 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 29.6258, 0.2418, 0.1876 by changing the saturation by 10% instead.


 29.6258, 0.2418,
0.1876


 29.6258, 0.2418,
0.1876


300.1563, 0.2797,
0.2546


 19.5547, 0.2320,
0.1725


 59.0699, 0.2559,
0.2108

 12.0718, 0.2195,
0.1542


 79.2117, 0.2611,
0.2199

 6.7926, 0.2030,
0.1318


 103.4792, 0.2655,
0.2277

 3.3327, 0.1808,
0.1044

132.2569, 0.2692,
0.2345

 1.3078, 0.1499,
0.0714

165.9290, 0.2724,
0.2405

 0.1472, 0.1094,
0.0158

204.8800, 0.2751,

 0.0000, 0.0000,

0.2457

0.0000

249.4943, 0.2775,
0.2504

■ 29.6258, 0.2418,
0.1876

■ 29.6258, 0.2418,
0.1876

■ 22.1219, 0.2232,
0.1547

■ 38.9783, 0.2598,
0.2211

■ 16.3378, 0.2049,
0.1243

■ 50.2898, 0.2765,
0.2535

■ 12.1330, 0.1881,
0.0988

■ 63.6658, 0.2915,
0.2839

■ 9.3425, 0.1741,
0.0800

■ 79.2031, 0.3046,
0.3115

■ 7.7584, 0.1635,
0.0685

■ 96.9927, 0.3160,
0.3362

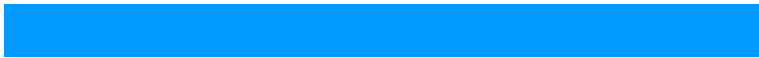
■ 7.4218, 0.1610,
0.0660

■ 99.3739, 0.3185,
0.3386

Harmonies

Analogous

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



29.6258, 0.1765, 0.1797



29.6258, 0.2418, 0.1876



29.6258, 0.3407, 0.2214

Triad

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



29.6258, 0.2418, 0.1876



29.6258, 0.5059, 0.4132



29.6258, 0.1854, 0.3737

Complementary

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



29.6258, 0.2418, 0.1876



81.9799, 0.3633, 0.4521

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.



29.6258, 0.2609, 0.4874



29.6258, 0.2418, 0.1876



29.6258, 0.4451, 0.4839

Square

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



29.6258, 0.2418, 0.1876



29.6258, 0.5116, 0.3419



29.6258, 0.3559, 0.5256



29.6258, 0.1476, 0.2651

Rectangle

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



29.6258, 0.2418, 0.1876



29.6258, 0.4140, 0.2560



29.6258, 0.3559, 0.5256



29.6258, 0.2068, 0.4152

Sweetspot

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



29.6269, 0.2418, 0.1876



74.4347, 0.2955, 0.2922



62.5745, 0.2447, 0.2985



15.1800, 0.2925, 0.2861



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.



29.6269, 0.2418, 0.1876



24.8338, 0.2247, 0.1573



36.6134, 0.2889, 0.2044



16.1079, 0.3015, 0.3048



4.0481, 0.1622, 0.0667



0.4000, 0.1739, 0.0731

Inverse Universe

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



40.4868, 0.3424, 0.2373



38.2000, 0.3502, 0.2218



74.6708, 0.3248, 0.4691



16.7002, 0.3173, 0.3109



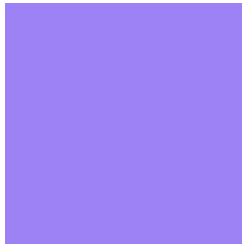
12.4699, 0.3882, 0.1912



1.1113, 0.3780, 0.1856

Previews

White Background



This preview shows how the Yxy color 29.6258, 0.2418, 0.1876 looks on a white background.

Color Contrast Check

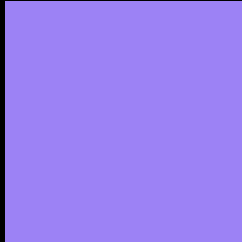
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6258, 0.2418, 0.1876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

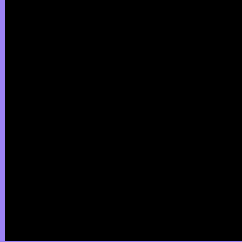
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6258, 0.2418, 0.1876

Background



This preview shows how black text looks on a background with the Yxy color 29.6258, 0.2418, 0.1876.



This preview shows how white text looks on a background with the Yxy color 29.6258, 0.2418, 0.1876.

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

29.6258, 0.2418, 0.1876

Protanopia

29.8192, 0.2052, 0.1845

Deuteranopia

30.0699, 0.2085, 0.2026



Tritanopia

29.4714, 0.2909, 0.3100

Trichromacy



Original Color

29.6258, 0.2418, 0.1876

Protanomaly

29.4233, 0.2164, 0.1851

Deuteranomaly

29.4016, 0.2183, 0.1958

Tritanomaly

29.1715, 0.2710, 0.2561

Monochromacy



Original Color

29.6258, 0.2418, 0.1876

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.9200, 0.2841, 0.2680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6258, 0.2418, 0.1876 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, 130, 245)` looks like.

```
.text, #text, p{  
    color:rgb(156, 130, 245)  
}
```

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, 130, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 130, 245) }
```

Border

The CSS property to change the border of an element to Yxy 29.6258, 0.2418, 0.1876 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, 130, 245) }
```

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

```
.border{ border-color:rgb(156, 130, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 130, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 130, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 130, 245);  
box-shadow:4px 4px 4px 4px rgb(156, 130,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6258, 0.2418, 0.1876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 130, 245) }
```

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

```
.background{ background-color: rgb(156,  
130, 245) }
```

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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