

Converting Colors

$Yxy(41.9644, 0.2517, 0.2295)$

Have a look what the booklet for
Yxy(41.9644, 0.2517, 0.2295)
contains.

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Color

Yxy(41.9423, 0.2517, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	A4A6F8
RGB	164, 166, 248
RGB Percent	64%, 65%, 97%
CMY	0.3570, 0.3489, 0.0276
CMYK	0.34, 0.33, 0.00, 0.03
HSL	239°, 86%, 81%
HSV	239°, 34%, 97%
XYZ	45.8795, 41.9423, 94.4568
YIQ	174.7500, -27.5140, 25.0780

Conversions

Conversions Part 2

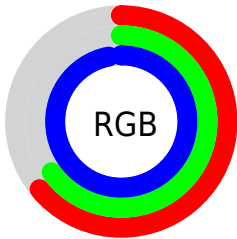
Format	Color
RYB	164, 166, 248
Decimal	10790648
CIELab	70.83, 17.95, -41.04
CIElCh	71, 44.790, 293.623
Yxy	41.9423, 0.2517, 0.2301
Android (android.graphics.Color)	4288980728 (0xFFA4A6F8)
YUV	174.7500, 36.1123, -9.4277
Hunter-Lab	64.7629, 13.1185, -41.1405

Details

The Yxy color **41.9423, 0.2517, 0.2301** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **88.4889, 0.3645, 0.4118**, and the grayscale version is **42.5530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3051, 0.2913, 0.2936**, and **19.0474, 0.2347, 0.2057** is the 20% darker color. If you saturate the color by 10%, you get **31.5741, 0.2304, 0.1952**, and if you desaturate by 10%, it is **54.4821, 0.2719, 0.2630**.

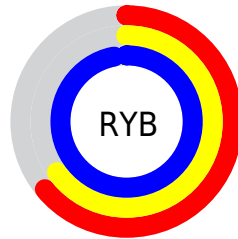
Distribution



Red (64%)

Green (65%)

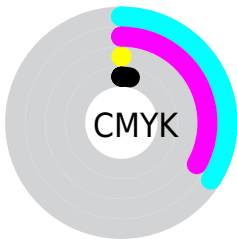
Blue (97%)



Red (64%)

Yellow (65%)

Blue (97%)

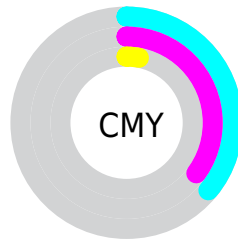


Cyan (34%)

Magenta (33%)

Yellow (0%)

Black (3%)



Cyan (36%)

Magenta (35%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9423, 0.2517, 0.2301 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 41.9423, 0.2517, 0.2301 by changing the saturation by 10% instead.

■ 41.9423, 0.2517,
0.2301

■ 41.9423, 0.2517,
0.2301

■ 354.2437, 0.2824,
0.2770

■ 29.0561, 0.2442,
0.2193

■ 78.1123, 0.2628,
0.2465

■ 19.1233, 0.2347,
0.2060

■ 102.1649, 0.2670,
0.2529

■ 11.7594, 0.2223,
0.1892

■ 130.7084, 0.2705,
0.2583

■ 6.5801, 0.2058,
0.1677

■ 164.1272, 0.2736,
0.2631

■ 3.2009, 0.1828,
0.1395

■ 202.8058, 0.2762,
0.2672

■ 1.2375, 0.1498,
0.1022

■ 247.1285, 0.2785,

■ 0.0920, 0.0992,

0.2709

0.0174

297.4796, 0.2806,
0.2741

■ 0.0000, 0.0000,
0.0000

■ 41.9423, 0.2517,
0.2301

■ 41.9423, 0.2517,
0.2301

■ 31.5741, 0.2304,
0.1952

■ 54.4821, 0.2719,
0.2630

■ 23.2496, 0.2090,
0.1600

■ 69.3019, 0.2904,
0.2930

■ 16.8353, 0.1890,
0.1270

■ 86.5087, 0.3069,
0.3196

■ 12.1795, 0.1721,
0.0987

■ 99.5553, 0.3168,
0.3357

■ 9.1079, 0.1597,
0.0776

■ 7.4101, 0.1525,
0.0649

■ 6.9068, 0.1503,
0.0611

Harmonies

Analogous

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



41.9423, 0.2128, 0.2331



41.9423, 0.2517, 0.2301



41.9423, 0.3108, 0.2481

Triad

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



41.9423, 0.2517, 0.2301



41.9423, 0.4416, 0.3782



41.9423, 0.2468, 0.3797

Complementary

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



41.9423, 0.2517, 0.2301



88.4889, 0.3645, 0.4118

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.



41.9423, 0.3040, 0.4334



41.9423, 0.2517, 0.2301



41.9423, 0.4178, 0.4225

Square

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



41.9423, 0.2517, 0.2301



41.9423, 0.4271, 0.3288



41.9423, 0.3667, 0.4471



41.9423, 0.2096, 0.3125

Rectangle

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



41.9423, 0.2517, 0.2301



41.9423, 0.3554, 0.2699



41.9423, 0.3667, 0.4471



41.9423, 0.2642, 0.4008

Sweetspot

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



41.9439, 0.2517, 0.2301



80.6226, 0.2970, 0.3037



81.6062, 0.2659, 0.3320



16.7186, 0.2946, 0.2998



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.



41.9439, 0.2517, 0.2301



36.5309, 0.2364, 0.2051



46.0344, 0.2805, 0.2352



16.7109, 0.2979, 0.3051



3.7612, 0.1504, 0.0615



0.3715, 0.1514, 0.0651

Inverse Universe

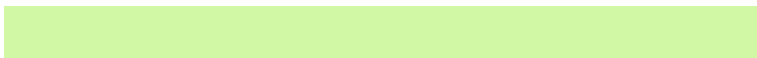
The Inverse Universe completely reimagines the original color for something new.



49.2435, 0.3908, 0.3270



45.5167, 0.4160, 0.3266



83.3149, 0.3367, 0.4219



17.2321, 0.3290, 0.3285



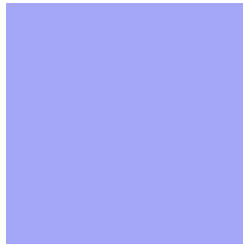
10.7906, 0.6376, 0.3286



1.0017, 0.6314, 0.3252

Previews

White Background



This preview shows how the Yxy color 41.9423, 0.2517, 0.2301 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 41.9423, 0.2517, 0.2301 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 41.9423, 0.2517, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 41.9423, 0.2517, 0.2301.



This preview shows how white text looks on a background with the Yxy color 41.9423, 0.2517, 0.2301.

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

41.9423, 0.2517, 0.2301

Protanopia

41.9808, 0.2392, 0.2284

Deuteranopia

41.8610, 0.2408, 0.2343



Tritanopia

41.7852, 0.2806, 0.3094

Trichromacy



Original Color

41.9423, 0.2517, 0.2301

Protanomaly

42.1133, 0.2433, 0.2290

Deuteranomaly

41.7667, 0.2448, 0.2328

Tritanomaly

41.7085, 0.2694, 0.2772

Monochromacy



Original Color

41.9423, 0.2517, 0.2301

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.4272, 0.2882, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9423, 0.2517, 0.2301 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(164, 166, 248)` looks like.

```
.text, #text, p{  
    color:rgb(164, 166, 248)  
}
```

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(164, 166, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 166, 248) }
```

Border

The CSS property to change the border of an element to Yxy 41.9423, 0.2517, 0.2301 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(164, 166, 248) }
```

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

```
.border{ border-color:rgb(164, 166, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 166, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 166, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 166, 248);  
box-shadow:4px 4px 4px 4px rgb(164, 166,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9423, 0.2517, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 166, 248) }
```

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

```
.background{ background-color: rgb(164,  
166, 248) }
```

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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