

Converting Colors

$Y_{xy}(41.2901, 0.2467, 0.2199)$

Have a look what the booklet for
Yxy(41.2901, 0.2467, 0.2199)
contains.

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Color

Yxy(41.2009, 0.2466, 0.2197)

Conversions

Conversions Part 1

Format	Color
Hex	A3A3FF
RGB	163, 163, 255
RGB Percent	64%, 64%, 100%
CMY	0.3608, 0.3607, 0.0002
CMYK	0.36, 0.36, 0.00, 0.00
HSL	240°, 100%, 82%
HSV	240°, 36%, 100%
XYZ	46.2455, 41.2009, 100.0861
YIQ	173.4880, -29.5320, 28.6120

Conversions

Conversions Part 2

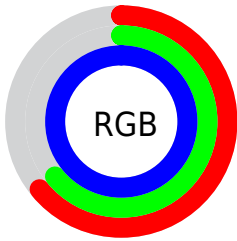
Format	Color
R _Y B	163, 163, 255
Decimal	10724351
CIE Lab	70.32, 21.21, -45.64
CIE LCh	70, 50.327, 294.922
Yxy	41.2009, 0.2466, 0.2197
Android (android.graphics.Color)	4288914431 (0xFFA3A3FF)
YUV	173.4880, 40.1854, -9.1980
Hunter-Lab	64.1879, 16.2752, -47.5174

Details

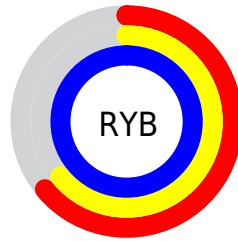
The Yxy color **41.2009, 0.2466, 0.2197** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95.3831, 0.3672, 0.4190**, and the grayscale version is **41.8543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5785, 0.2905, 0.2903**, and **18.5719, 0.2277, 0.1927** is the 20% darker color. If you saturate the color by 10%, you get **30.6175, 0.2249, 0.1838**, and if you desaturate by 10%, it is **54.1544, 0.2674, 0.2540**.

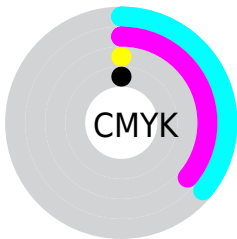
Distribution



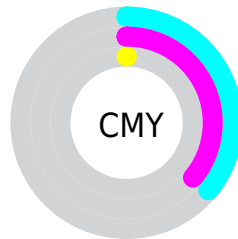
- Red (64%)
- Green (64%)
- Blue (100%)



- Red (64%)
- Yellow (64%)
- Blue (100%)



- Cyan (36%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2009, 0.2466, 0.2197 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 41.2009, 0.2466, 0.2197 by changing the saturation by 10% instead.

41.2009, 0.2466,
0.2197

41.2009, 0.2466,
0.2197

351.1596, 0.2798,
0.2711

28.4761, 0.2385,
0.2080

76.9888, 0.2586,
0.2375

18.6849, 0.2283,
0.1938

100.8206, 0.2631,
0.2445

11.4428, 0.2151,
0.1760

129.1236, 0.2670,
0.2505

6.3655, 0.1976,
0.1535

162.2822, 0.2703,
0.2557

3.0686, 0.1735,
0.1247

200.6806, 0.2731,
0.2602

1.1676, 0.1397,
0.0879


244.7034, 0.2757,

0.0350, 0.0911,

0.2643


0.0058

294.7349, 0.2779,
0.2679


 0.0000, 0.0000,
0.0000

 41.2009, 0.2466,
0.2197


 41.2009, 0.2466,
0.2197


 30.6175, 0.2249,
0.1838


 54.1544, 0.2674,
0.2540

 22.2566, 0.2034,
0.1483


 69.6044, 0.2864,
0.2856

 15.9611, 0.1839,
0.1160

 87.6741, 0.3034,
0.3137

 11.5516, 0.1679,
0.0897

99.9973, 0.3127,
0.3290

 8.8182, 0.1569,
0.0714

■ 7.5002, 0.1513,
0.0621

■ 7.2178, 0.1500,
0.0600

Harmonies

Analogous

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



41.2009, 0.2029, 0.2213



41.2009, 0.2466, 0.2197



41.2009, 0.3133, 0.2405

Triad

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



41.2009, 0.2466, 0.2197



41.2009, 0.4573, 0.3844



41.2009, 0.2359, 0.3832

Complementary

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



41.2009, 0.2466, 0.2197



95.3831, 0.3672, 0.4190

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.



41.2009, 0.2987, 0.4469



41.2009, 0.2466, 0.2197



41.2009, 0.4278, 0.4343

Square

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



41.2009, 0.2466, 0.2197



41.2009, 0.4437, 0.3299



41.2009, 0.3690, 0.4630



41.2009, 0.1965, 0.3062

Rectangle

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



41.2009, 0.2466, 0.2197



41.2009, 0.3638, 0.2648



41.2009, 0.3690, 0.4630



41.2009, 0.2549, 0.4081

Sweetspot

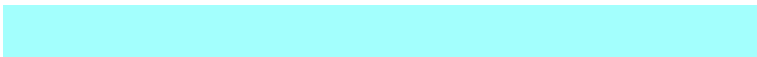
The Sweet Spot groups the original color and five complimentary colors.



41.2024, 0.2466, 0.2197



78.4551, 0.2953, 0.3002



86.3985, 0.2626, 0.3305



16.2729, 0.2930, 0.2964



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.



41.2024, 0.2466, 0.2197



33.6329, 0.2316, 0.1949



46.7423, 0.2790, 0.2288



17.3781, 0.2978, 0.3044



3.7730, 0.1500, 0.0600



0.3675, 0.1500, 0.0600

Inverse Universe

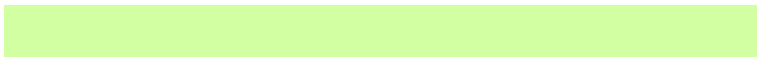
The Inverse Universe completely reimagines the original color for something new.



50.0918, 0.4005, 0.3293



43.6734, 0.4265, 0.3293



87.9141, 0.3370, 0.4289



17.9871, 0.3295, 0.3290



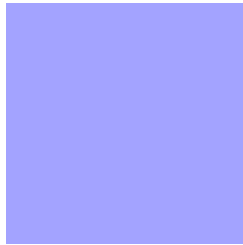
11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 41.2009, 0.2466, 0.2197 looks on a white background.

Color Contrast Check

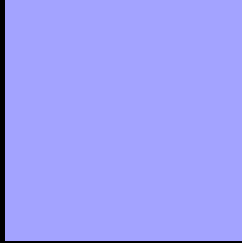
Large Text (above 18pt) WCAG AA × Fail

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 41.2009, 0.2466, 0.2197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

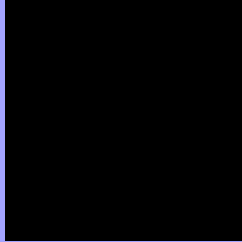
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2009, 0.2466, 0.2197

Background



This preview shows how black text looks on a background with the Yxy color 41.2009, 0.2466, 0.2197.



This preview shows how white text looks on a background with the Yxy color 41.2009, 0.2466, 0.2197.

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

41.2009, 0.2466, 0.2197

Protanopia

41.3467, 0.2345, 0.2234

Deuteranopia

41.4519, 0.2325, 0.2270



Tritanopia

41.0643, 0.2789, 0.3093

Trichromacy



Original Color

41.2009, 0.2466, 0.2197

Protanomaly

41.3415, 0.2389, 0.2222

Deuteranomaly

41.2720, 0.2372, 0.2238

Tritanomaly

40.7532, 0.2656, 0.2717

Monochromacy



Original Color

41.2009, 0.2466, 0.2197

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.1227, 0.2856, 0.2842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2009, 0.2466, 0.2197 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(163, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 163, 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(163, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.2009, 0.2466, 0.2197 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(163, 163, 255) }
```

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

```
.border{ border-color:rgb(163, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 163, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 163, 255); box-shadow:4px 4px 4px 4px rgb(163, 163, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2009, 0.2466, 0.2197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 163, 255) }
```

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

```
.background{ background-color: rgb(163,  
163, 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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