

Converting Colors

$Y_{xy}(40.9390, 0.2567, 0.2267)$

Have a look what the booklet for
Yxy(40.9390, 0.2567, 0.2267)
contains.

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Color

Yxy(40.8631, 0.2565, 0.2262)

Conversions

Conversions Part 1

Format	Color
Hex	ABA1F7
RGB	171, 161, 247
RGB Percent	67%, 63%, 97%
CMY	0.3292, 0.3687, 0.0313
CMYK	0.31, 0.35, 0.00, 0.03
HSL	247°, 84%, 80%
HSV	247°, 35%, 97%
XYZ	46.3368, 40.8631, 93.4504
YIQ	173.7940, -21.6460, 28.8660

Conversions

Conversions Part 2

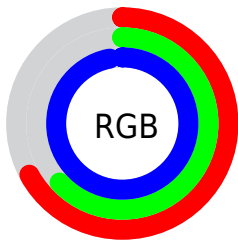
Format	Color
RYB	171, 161, 247
Decimal	11248119
CIELab	70.08, 22.49, -41.65
CIELCh	70, 47.334, 298.362
Yxy	40.8631, 0.2565, 0.2262
Android (android.graphics.Color)	4289438199 (0xFFABA1F7)
YUV	173.7940, 36.0906, -2.4503
Hunter-Lab	63.9243, 17.5219, -41.9286

Details

The Yxy color **40.8631, 0.2565, 0.2262** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **87.0980, 0.3582, 0.4181**, and the grayscale version is **42.0400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8257, 0.2958, 0.2888**, and **18.3680, 0.2402, 0.2009** is the 20% darker color. If you saturate the color by 10%, you get **30.8169, 0.2367, 0.1916**, and if you desaturate by 10%, it is **53.0218, 0.2750, 0.2592**.

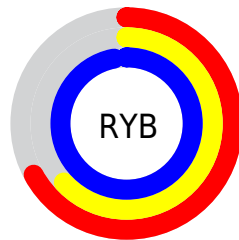
Distribution



Red (67%)

Green (63%)

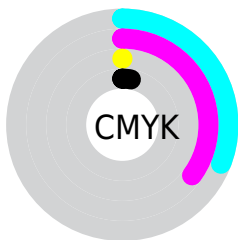
Blue (97%)



Red (67%)

Yellow (63%)

Blue (97%)

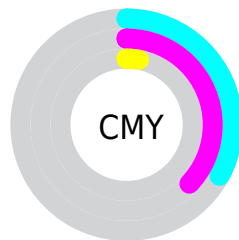


Cyan (31%)

Magenta (35%)

Yellow (0%)

Black (3%)



Cyan (33%)


Magenta (37%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8631, 0.2565, 0.2262 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 40.8631, 0.2565, 0.2262 by changing the saturation by 10% instead.

 40.8631, 0.2565,
0.2262


 40.8631, 0.2565,
0.2262


349.7481, 0.2851,
0.2748

 28.2121, 0.2494,
0.2151


 76.4760, 0.2669,
0.2431

 18.4856, 0.2404,
0.2013


 100.2068, 0.2708,
0.2497

 11.2992, 0.2286,
0.1842


128.3996, 0.2741,
0.2554

 6.2685, 0.2126,
0.1621

161.4388, 0.2770,
0.2603

 3.0090, 0.1902,
0.1335

199.7089, 0.2794,
0.2646

 1.1364, 0.1575,
0.0959

243.5942, 0.2816,

 0.0088, 0.1090,

0.2684

0.0017

293.4792, 0.2834,
0.2718

■ 0.0000, 0.0000,
0.0000

■ 40.8631, 0.2565,
0.2262

■ 40.8631, 0.2565,
0.2262

■ 30.8169, 0.2367,
0.1916

■ 53.0218, 0.2750,
0.2592

■ 22.7577, 0.2165,
0.1571

■ 67.3994, 0.2916,
0.2896

■ 16.5541, 0.1969,
0.1250

■ 84.1006, 0.3063,
0.3170

■ 12.0569, 0.1796,
0.0977

■ 99.4962, 0.3173,
0.3366

■ 9.0932, 0.1659,
0.0775

■ 7.4531, 0.1566,
0.0655

■ 6.9758, 0.1534,
0.0619

Harmonies

Analogous

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



40.8631, 0.2119, 0.2253



40.8631, 0.2565, 0.2262



40.8631, 0.3216, 0.2483

Triad

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



40.8631, 0.2565, 0.2262



40.8631, 0.4482, 0.3883



40.8631, 0.2346, 0.3717

Complementary

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



40.8631, 0.2565, 0.2262



87.0980, 0.3582, 0.4181

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.



40.8631, 0.2925, 0.4344



40.8631, 0.2565, 0.2262



40.8631, 0.4169, 0.4338

Square

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



40.8631, 0.2565, 0.2262



40.8631, 0.4399, 0.3364



40.8631, 0.3593, 0.4559



40.8631, 0.1998, 0.3005

Rectangle

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



40.8631, 0.2565, 0.2262



40.8631, 0.3691, 0.2728



40.8631, 0.3593, 0.4559



40.8631, 0.2518, 0.3955

Sweetspot

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



40.8647, 0.2565, 0.2262



80.7724, 0.2989, 0.3032



74.8465, 0.2619, 0.3174



16.7546, 0.2968, 0.2993



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.



40.8647, 0.2565, 0.2262



35.8862, 0.2423, 0.2012



46.5028, 0.2896, 0.2352



16.0195, 0.2997, 0.3046



3.7196, 0.1542, 0.0623



0.3564, 0.1623, 0.0668

Inverse Universe

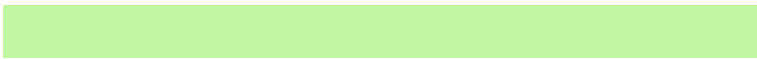
The Inverse Universe completely reimagines the original color for something new.



51.3730, 0.3250, 0.2515



48.8477, 0.3281, 0.2360



80.5665, 0.3286, 0.4274



16.7330, 0.3156, 0.3084



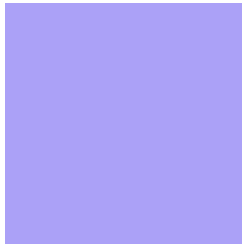
13.1518, 0.3528, 0.1717



1.1652, 0.3483, 0.1692

Previews

White Background



This preview shows how the Yxy color 40.8631, 0.2565, 0.2262 looks on a white background.

Color Contrast Check

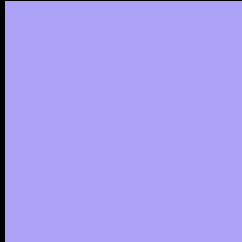
Large Text (above 18pt) WCAG AA × Fail

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 40.8631, 0.2565, 0.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

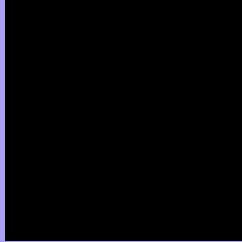
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8631, 0.2565, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 40.8631, 0.2565, 0.2262.



This preview shows how white text looks on a background with the Yxy color 40.8631, 0.2565, 0.2262.

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

40.8631, 0.2565, 0.2262

Protanopia

40.9368, 0.2359, 0.2242

Deuteranopia

41.1817, 0.2404, 0.2347



Tritanopia

40.8459, 0.2896, 0.3096

Trichromacy



Original Color

40.8631, 0.2565, 0.2262

Protanomaly

40.6476, 0.2425, 0.2240

Deuteranomaly

41.0636, 0.2456, 0.2314

Tritanomaly

40.7659, 0.2764, 0.2762

Monochromacy



Original Color

40.8631, 0.2565, 0.2262

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.4772, 0.2904, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8631, 0.2565, 0.2262 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(171, 161, 247)` looks like.

```
.text, #text, p{  
    color:rgb(171, 161, 247)  
}
```

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(171, 161, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 161, 247) }
```

Border

The CSS property to change the border of an element to Yxy 40.8631, 0.2565, 0.2262 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(171, 161, 247) }
```

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

```
.border{ border-color:rgb(171, 161, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 161, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 161, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 161, 247); box-shadow:4px 4px 4px 4px rgb(171, 161, 247) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8631, 0.2565, 0.2262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 161, 247) }
```

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

```
.background{ background-color: rgb(171,  
161, 247) }
```

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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