

Converting Colors

$Y_{xy}(41.6409, 0.2645, 0.2254)$

Have a look what the booklet for
Yxy(41.6409, 0.2645, 0.2254)
contains.

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Color

Yxy(41.6409, 0.2645, 0.2254)

Conversions

Conversions Part 1

Format	Color
Hex	B79FF8
RGB	183, 159, 248
RGB Percent	72%, 62%, 97%
CMY	0.2824, 0.3764, 0.0276
CMYK	0.26, 0.36, 0.00, 0.03
HSL	256°, 86%, 80%
HSV	256°, 36%, 97%
XYZ	48.8643, 41.6409, 94.2370
YIQ	176.3220, -14.2650, 32.7670

Conversions

Conversions Part 2

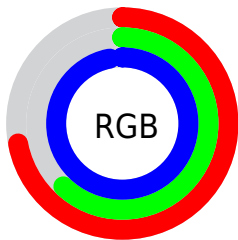
Format	Color
RYB	183, 159, 248
Decimal	12034040
CIELab	70.62, 27.17, -41.25
CIElCh	71, 49.395, 303.377
Yxy	41.6409, 0.2645, 0.2254
Android (android.graphics.Color)	4290224120 (0xFFB79FF8)
YUV	176.3220, 35.3373, 5.8566
Hunter-Lab	64.5298, 22.2397, -41.4142

Details

The Yxy color **41.6409, 0.2645, 0.2254** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.4580, 0.3500, 0.4239**, and the grayscale version is **43.4113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8384, 0.3041, 0.2877**, and **18.8662, 0.2504, 0.2004** is the 20% darker color. If you saturate the color by 10%, you get **31.8724, 0.2475, 0.1924**, and if you desaturate by 10%, it is **53.4088, 0.2802, 0.2573**.

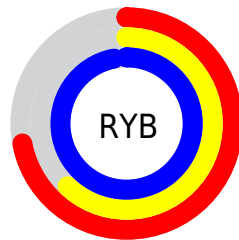
Distribution



Red (72%)

Green (62%)

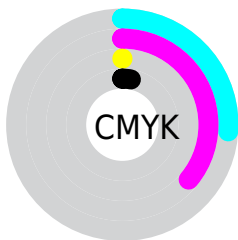
Blue (97%)



Red (72%)

Yellow (62%)

Blue (97%)

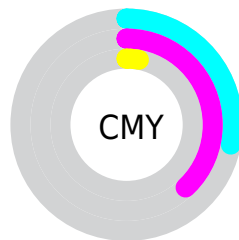


Cyan (26%)

Magenta (36%)

Yellow (0%)

Black (3%)



Cyan (28%)


Magenta (38%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6409, 0.2645, 0.2254 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 41.6409, 0.2645, 0.2254 by changing the saturation by 10% instead.


 41.6409, 0.2645,
0.2254


 41.6409, 0.2645,
0.2254


352.9922, 0.2893,
0.2740

 28.8202, 0.2583,
0.2144


 77.6559, 0.2736,
0.2423

 18.9449, 0.2503,
0.2008


 101.6189, 0.2770,
0.2488

 11.6304, 0.2399,
0.1839

130.0649, 0.2798,
0.2545

 6.4926, 0.2256,
0.1623

163.3781, 0.2823,
0.2594

 3.1468, 0.2054,
0.1342

201.9431, 0.2844,
0.2637

 1.2089, 0.1754,
0.0976


246.1442, 0.2862,


 0.0689, 0.1338,

0.2675

0.0127


296.3657, 0.2879,
0.2709


 0.0000, 0.0000,
0.0000


 41.6409, 0.2645,
0.2254


 41.6409, 0.2645,
0.2254

 31.8724, 0.2475,
0.1924


 53.4088, 0.2802,
0.2573


 23.9848, 0.2296,
0.1599


 67.2758, 0.2941,
0.2871

 17.8542, 0.2118,
0.1297

 83.3407, 0.3063,
0.3143

 13.3398, 0.1950,
0.1039

 99.5549, 0.3168,
0.3357

 10.2775, 0.1805,
0.0843

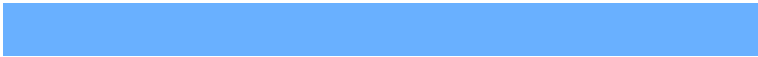
■ 8.4666, 0.1690,
0.0719

■ 7.9636, 0.1652,
0.0684

Harmonies

Analogous

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



41.6409, 0.2145, 0.2205



41.6409, 0.2645, 0.2254



41.6409, 0.3342, 0.2514

Triad

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



41.6409, 0.2645, 0.2254



41.6409, 0.4501, 0.3984



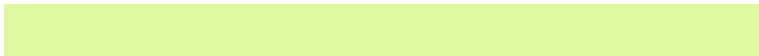
41.6409, 0.2239, 0.3603

Complementary

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



41.6409, 0.2645, 0.2254



85.4580, 0.3500, 0.4239

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.



41.6409, 0.2803, 0.4302



41.6409, 0.2645, 0.2254



41.6409, 0.4116, 0.4433

Square

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



41.6409, 0.2645, 0.2254



41.6409, 0.4492, 0.3451



41.6409, 0.3491, 0.4607



41.6409, 0.1930, 0.2884

Rectangle

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



41.6409, 0.2645, 0.2254



41.6409, 0.3829, 0.2782



41.6409, 0.3491, 0.4607



41.6409, 0.2403, 0.3858

Sweetspot

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



41.6425, 0.2645, 0.2254



79.7104, 0.3003, 0.3007



67.5884, 0.2584, 0.3013



16.5696, 0.2986, 0.2969



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.



41.6425, 0.2645, 0.2254



36.6826, 0.2524, 0.2017



47.9399, 0.2997, 0.2352



16.8694, 0.3021, 0.3048



4.3620, 0.1665, 0.0691



0.4537, 0.1784, 0.0756

Inverse Universe

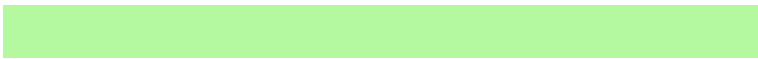
The Inverse Universe completely reimagines the original color for something new.



50.1303, 0.3371, 0.2618



47.0777, 0.3436, 0.2486



79.2901, 0.3203, 0.4335



17.4400, 0.3179, 0.3118



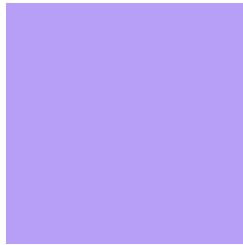
12.6100, 0.4035, 0.1997



1.1856, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 41.6409, 0.2645, 0.2254 looks on a white background.

Color Contrast Check

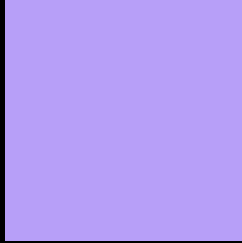
Large Text (above 18pt) WCAG AA × Fail

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 41.6409, 0.2645, 0.2254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

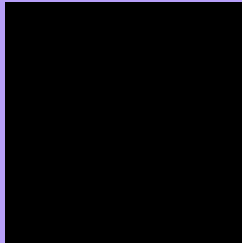
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6409, 0.2645, 0.2254

Background



This preview shows how black text looks on a background with the Yxy color 41.6409, 0.2645, 0.2254.



This preview shows how white text looks on a background with the Yxy color 41.6409, 0.2645, 0.2254.

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

41.6409, 0.2645, 0.2254

Protanopia

41.8987, 0.2359, 0.2250

Deuteranopia

41.8294, 0.2425, 0.2364



Tritanopia

41.6658, 0.3013, 0.3114

Trichromacy



Original Color

41.6409, 0.2645, 0.2254

Protanomaly

41.5698, 0.2454, 0.2252

Deuteranomaly

41.6622, 0.2496, 0.2324

Tritanomaly

41.3055, 0.2867, 0.2762

Monochromacy



Original Color

41.6409, 0.2645, 0.2254

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

42.5974, 0.2947, 0.2878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6409, 0.2645, 0.2254 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(183, 159, 248)` looks like.

```
.text, #text, p{  
    color:rgb(183, 159, 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(183, 159, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 159, 248) }
```

Border

The CSS property to change the border of an element to Yxy 41.6409, 0.2645, 0.2254 is called "border". The border property can be set on classes, ids or directly on the HTML element.

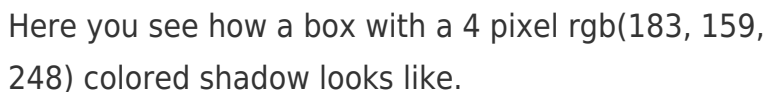
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 159, 248) }
```

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

```
.border{ border-color:rgb(183, 159, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 159, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 159, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 159, 248); box-shadow:4px 4px 4px 4px rgb(183, 159, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6409, 0.2645, 0.2254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 159, 248) }
```

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

```
.background{ background-color: rgb(183,  
159, 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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