

Converting Colors

$Y_{xy}(40.1585, 0.2735, 0.2088)$

Have a look what the booklet for
Yxy(40.1585, 0.2735, 0.2088)
contains.

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Color

Yxy(40.0274, 0.2734, 0.2083)

Conversions

Conversions Part 1

Format	Color
Hex	CA91FF
RGB	202, 145, 255
RGB Percent	79%, 57%, 100%
CMY	0.2078, 0.4314, 0.0000
CMYK	0.21, 0.43, 0.00, 0.00
HSL	271°, 100%, 78%
HSV	271°, 43%, 100%
XYZ	52.5372, 40.0274, 99.5977
YIQ	174.5830, -1.3380, 46.2940

Conversions

Conversions Part 2

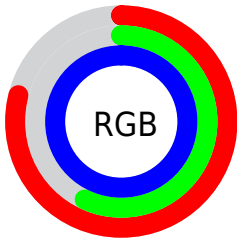
Format	Color
R _Y B	202, 145, 255
Decimal	13275647
CIE Lab	69.49, 41.85, -46.75
CIE LCh	69, 62.749, 311.838
Yxy	40.0274, 0.2734, 0.2083
Android (android.graphics.Color)	4291465727 (0xFFCA91FF)
YUV	174.5830, 39.6456, 24.0447
Hunter-Lab	63.2672, 37.5090, -49.0496

Details

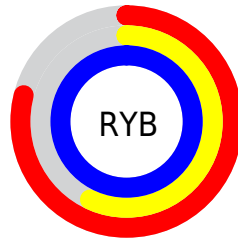
The Yxy color $40.0274, 0.2734, 0.2083$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $85.5694, 0.3383, 0.4512$, and the grayscale version is $42.4340, 0.3127, 0.3290$.

A 20% lighter version of the original color is $69.7886, 0.3152, 0.2752$, and $18.0169, 0.2609, 0.1810$ is the 20% darker color. If you saturate the color by 10%, you get $31.4427, 0.2613, 0.1791$, and if you desaturate by 10%, it is $50.4953, 0.2846, 0.2382$.

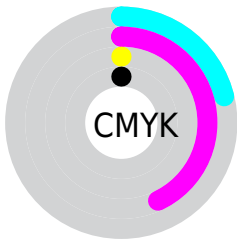
Distribution



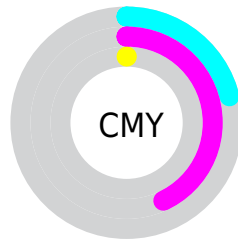
- Red (79%)
- Green (57%)
- Blue (100%)



- Red (79%)
- Yellow (57%)
- Blue (100%)



- Cyan (21%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0274, 0.2734, 0.2083 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 40.0274, 0.2734, 0.2083 by changing the saturation by 10% instead.


 40.0274, 0.2734,
0.2083


 40.0274, 0.2734,
0.2083

346.2390, 0.2946,
0.2637

 27.5599, 0.2679,
0.1961


 75.2052, 0.2813,
0.2272

 17.9942, 0.2608,
0.1812


 98.6844, 0.2842,
0.2347

 10.9458, 0.2514,
0.1630

126.6028, 0.2866,
0.2412

 6.0304, 0.2383,
0.1403

159.3450, 0.2887,
0.2468

 2.8636, 0.2196,
0.1118

197.2954, 0.2905,
0.2518

 1.0609, 0.1915,
0.0765

240.8382, 0.2920,

 0.0000, 0.1530,

0.2562


0.0000

290.3580, 0.2934,
0.2601


 0.0000, 0.0000,
0.0000

 40.0274, 0.2734,
0.2083

 40.0274, 0.2734,
0.2083


 31.4427, 0.2613,
0.1791


 50.4953, 0.2846,
0.2382


 24.6224, 0.2484,
0.1519


 62.9598, 0.2945,
0.2675

 19.4293, 0.2354,
0.1282

 77.5216, 0.3032,
0.2953

 15.7060, 0.2229,
0.1093

 94.2755, 0.3106,
0.3213

 13.2617, 0.2113,
0.0961

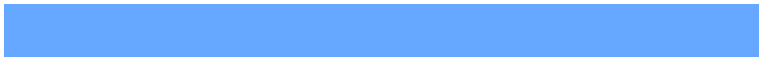
100.0000, 0.3127,
0.3290

■ 12.1370, 0.2040,
0.0898

Harmonies

Analogous

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



40.0274, 0.2046, 0.1942



40.0274, 0.2734, 0.2083



40.0274, 0.3660, 0.2455

Triad

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



40.0274, 0.2734, 0.2083



40.0274, 0.4744, 0.4274



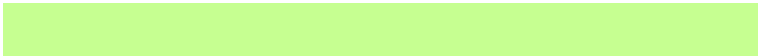
40.0274, 0.1865, 0.3390

Complementary

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



40.0274, 0.2734, 0.2083



85.5694, 0.3383, 0.4512

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.



40.0274, 0.2466, 0.4405



40.0274, 0.2734, 0.2083



40.0274, 0.4126, 0.4830

Square

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



40.0274, 0.2734, 0.2083



40.0274, 0.4928, 0.3623



40.0274, 0.3296, 0.4979



40.0274, 0.1607, 0.2540

Rectangle

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



40.0274, 0.2734, 0.2083



40.0274, 0.4269, 0.2803



40.0274, 0.3296, 0.4979



40.0274, 0.2029, 0.3735

Sweetspot

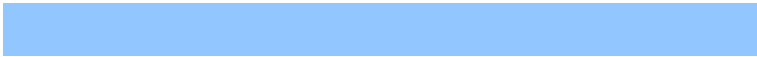
The Sweet Spot groups the original color and five complimentary colors.



40.0264, 0.2734, 0.2083



77.7386, 0.3033, 0.2957



53.7031, 0.2425, 0.2607



15.9102, 0.3015, 0.2897



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.



40.0264, 0.2734, 0.2083



32.3286, 0.2627, 0.1823



48.6122, 0.3192, 0.2245



17.8407, 0.3060, 0.3050



6.4313, 0.2057, 0.0907



0.6912, 0.2177, 0.0973

Inverse Universe

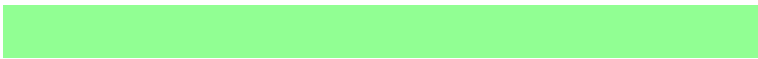
The Inverse Universe completely reimagines the original color for something new.



45.5868, 0.3706, 0.2744



38.8349, 0.3885, 0.2640



79.6407, 0.3055, 0.4618



18.1329, 0.3218, 0.3176



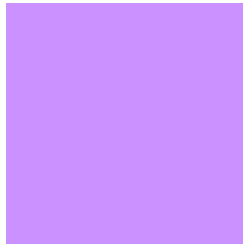
11.8840, 0.5042, 0.2551



1.1791, 0.4777, 0.2405

Previews

White Background



This preview shows how the Yxy color 40.0274, 0.2734, 0.2083 looks on a white background.

Color Contrast Check

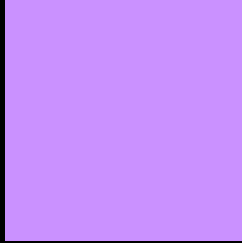
Large Text (above 18pt) WCAG AA × Fail

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 40.0274, 0.2734, 0.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

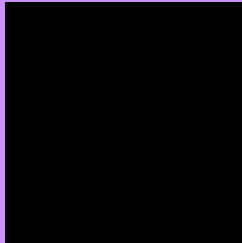
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0274, 0.2734, 0.2083

Background



This preview shows how black text looks on a background with the Yxy color 40.0274, 0.2734, 0.2083.



This preview shows how white text looks on a background with the Yxy color 40.0274, 0.2734, 0.2083.

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

40.0274, 0.2734, 0.2083

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.4290, 0.2329, 0.2272



Tritanopia

40.1083, 0.3267, 0.3133

Trichromacy



Original Color

40.0274, 0.2734, 0.2083



Protanomaly

39.6977, 0.2452, 0.2147



Deuteranomaly

39.5408, 0.2450, 0.2180

Tritanomaly

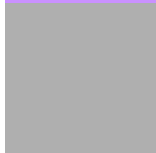
39.6059, 0.3063, 0.2694

Monochromacy



Original Color

40.0274, 0.2734, 0.2083



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.2248, 0.2982, 0.2782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0274, 0.2734, 0.2083 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(202, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 145, 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(202, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.0274, 0.2734, 0.2083 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(202, 145, 255) }
```

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

```
.border{ border-color:rgb(202, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0274, 0.2734, 0.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 145, 255) }
```

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

```
.background{ background-color: rgb(202,  
145, 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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