

Converting Colors

$Y_{xy}(40.5850, 0.2625, 0.2132)$

Have a look what the booklet for
Yxy(40.5850, 0.2625, 0.2132)
contains.

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Color

Yxy(40.5673, 0.2624, 0.2132)

Conversions

Conversions Part 1

Format	Color
Hex	BB99FF
RGB	187, 153, 255
RGB Percent	73%, 60%, 100%
CMY	0.2667, 0.3999, 0.0001
CMYK	0.27, 0.40, 0.00, 0.00
HSL	260°, 100%, 80%
HSV	260°, 40%, 100%
XYZ	49.9290, 40.5673, 99.7819
YIQ	174.7940, -12.4780, 38.9300

Conversions

Conversions Part 2

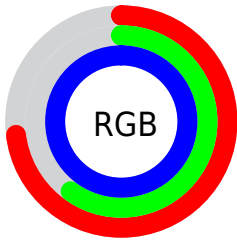
Format	Color
R _Y B	187, 153, 255
Decimal	12294655
CIE _{Lab}	69.87, 33.30, -46.21
CIE _{LCh}	70, 56.958, 305.777
Yxy	40.5673, 0.2624, 0.2132
Android (android.graphics.Color)	4290484735 (0xFFBB99FF)
YUV	174.7940, 39.5416, 10.7047
Hunter-Lab	63.6925, 28.4656, -48.3001

Details

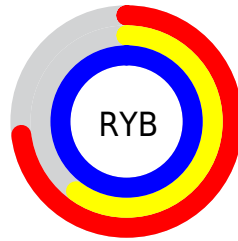
The Yxy color **40.5673, 0.2624, 0.2132** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **89.1734, 0.3494, 0.4369**, and the grayscale version is **42.5554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7442, 0.3077, 0.2821**, and **18.2099, 0.2468, 0.1857** is the 20% darker color. If you saturate the color by 10%, you get **31.0758, 0.2462, 0.1810**, and if you desaturate by 10%, it is **52.0988, 0.2774, 0.2451**.

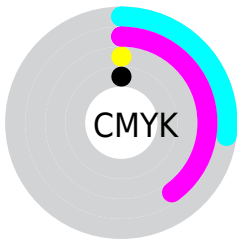
Distribution



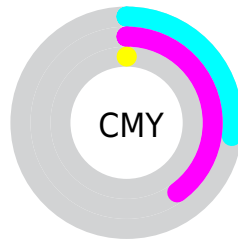
- Red (73%)
- Green (60%)
- Blue (100%)



- Red (73%)
- Yellow (60%)
- Blue (100%)



- Cyan (27%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5673, 0.2624, 0.2132 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 40.5673, 0.2624, 0.2132 by changing the saturation by 10% instead.


 40.5673, 0.2624,
0.2132


 40.5673, 0.2624,
0.2132


348.5089, 0.2885,
0.2668

 27.9811, 0.2558,
0.2012


 76.0266, 0.2720,
0.2317

 18.3114, 0.2474,
0.1866


 99.6685, 0.2756,
0.2389

 11.1738, 0.2364,
0.1687


127.7645, 0.2786,
0.2451

 6.1839, 0.2215,
0.1461

160.6989, 0.2812,
0.2506

 2.9572, 0.2004,
0.1175

198.8562, 0.2834,
0.2554

 1.1094, 0.1696,
0.0815

242.6207, 0.2853,


 0.0000, 0.1285,


0.2596

0.0000


292.3768, 0.2870,
0.2634

 0.0000, 0.0000,
0.0000

 40.5673, 0.2624,
0.2132

 40.5673, 0.2624,
0.2132


 31.0758, 0.2462,
0.1810


 52.0988, 0.2774,
0.2451

 23.4962, 0.2294,
0.1500

 65.7786, 0.2908,
0.2754

 17.6929, 0.2127,
0.1221

 81.7125, 0.3026,
0.3035

 13.5094, 0.1972,
0.0992

99.9967, 0.3127,
0.3290

 10.7605, 0.1837,
0.0827

99.9982, 0.3127,
0.3290

■ 9.1498, 0.1728,
0.0725

■ 9.1481, 0.1727,
0.0725

Harmonies

Analogous

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



40.5673, 0.2042, 0.2052



40.5673, 0.2624, 0.2132



40.5673, 0.3438, 0.2439

Triad

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



40.5673, 0.2624, 0.2132



40.5673, 0.4681, 0.4098



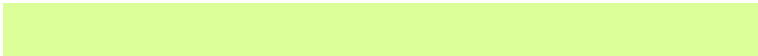
40.5673, 0.2064, 0.3574

Complementary

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



40.5673, 0.2624, 0.2132



89.1734, 0.3494, 0.4369

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.



40.5673, 0.2679, 0.4436



40.5673, 0.2624, 0.2132



40.5673, 0.4193, 0.4623

Square

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



40.5673, 0.2624, 0.2132



40.5673, 0.4730, 0.3497



40.5673, 0.3459, 0.4829



40.5673, 0.1751, 0.2749

Rectangle

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



40.5673, 0.2624, 0.2132



40.5673, 0.4004, 0.2745



40.5673, 0.3459, 0.4829



40.5673, 0.2239, 0.3883

Sweetspot

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



40.5689, 0.2624, 0.2132



78.3403, 0.3003, 0.2980



66.5990, 0.2516, 0.2915



16.3074, 0.2988, 0.2944



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.



40.5689, 0.2624, 0.2132



32.8146, 0.2495, 0.1873



47.8858, 0.3018, 0.2254



17.6718, 0.3031, 0.3048



4.8538, 0.1743, 0.0734



0.5294, 0.1864, 0.0801

Inverse Universe

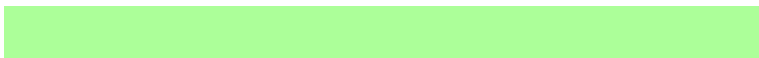
The Inverse Universe completely reimagines the original color for something new.



49.2616, 0.3468, 0.2601



42.7915, 0.3563, 0.2469



82.5397, 0.3177, 0.4486



18.1914, 0.3189, 0.3133



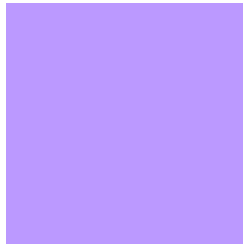
12.6546, 0.4276, 0.2129



1.2524, 0.4123, 0.2045

Previews

White Background



This preview shows how the Yxy color 40.5673, 0.2624, 0.2132 looks on a white background.

Color Contrast Check

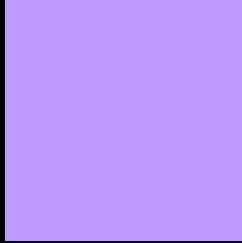
Large Text (above 18pt) WCAG AA × Fail

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 40.5673, 0.2624, 0.2132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

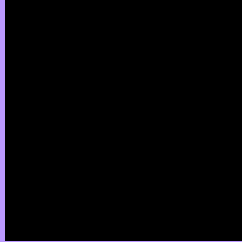
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5673, 0.2624, 0.2132

Background



This preview shows how black text looks on a background with the Yxy color 40.5673, 0.2624, 0.2132.



This preview shows how white text looks on a background with the Yxy color 40.5673, 0.2624, 0.2132.

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

40.5673, 0.2624, 0.2132

Protanopia

40.8007, 0.2331, 0.2219

Deuteranopia

41.0120, 0.2327, 0.2267



Tritanopia

40.6376, 0.3055, 0.3114

Trichromacy



Original Color

40.5673, 0.2624, 0.2132

Protanomaly

40.5825, 0.2426, 0.2185

Deuteranomaly

40.6113, 0.2426, 0.2212

Tritanomaly

40.2628, 0.2883, 0.2701

Monochromacy



Original Color

40.5673, 0.2624, 0.2132

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.5808, 0.2931, 0.2814

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5673, 0.2624, 0.2132 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(187, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 153, 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(187, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.5673, 0.2624, 0.2132 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(187, 153, 255) }
```

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

```
.border{ border-color:rgb(187, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5673, 0.2624, 0.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 153, 255) }
```

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

```
.background{ background-color: rgb(187,  
153, 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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