

Converting Colors

$Yxy(40.5185, 0.2797, 0.2301)$

Have a look what the booklet for
Yxy(40.5185, 0.2797, 0.2301)
contains.

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Color

Yxy(40.5576, 0.2803, 0.2304)

Conversions

Conversions Part 1

Format	Color
Hex	C399EE
RGB	195, 153, 238
RGB Percent	76%, 60%, 93%
CMY	0.2351, 0.4001, 0.0666
CMYK	0.18, 0.36, 0.00, 0.07
HSL	270°, 71%, 77%
HSV	270°, 36%, 93%
XYZ	49.3416, 40.5576, 86.1321
YIQ	175.2480, -2.2530, 35.3390

Conversions

Conversions Part 2

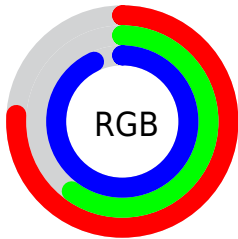
Format	Color
R _Y B	195, 153, 238
Decimal	12818926
CIE Lab	69.86, 31.74, -36.93
CIE LCh	70, 48.693, 310.682
Yxy	40.5576, 0.2803, 0.2304
Android (android.graphics.Color)	4291009006 (0xFFC399EE)
YUV	175.2480, 30.9367, 17.3225
Hunter-Lab	63.6848, 26.8492, -35.6088

Details

The Yxy color **40.5576, 0.2803, 0.2304** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **75.1891, 0.3361, 0.4277**, and the grayscale version is **42.8452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2144, 0.3134, 0.2829**, and **18.2602, 0.2696, 0.2059** is the 20% darker color. If you saturate the color by 10%, you get **31.9922, 0.2683, 0.2004**, and if you desaturate by 10%, it is **50.8092, 0.2910, 0.2600**.

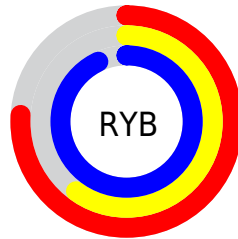
Distribution



Red (76%)

Green (60%)

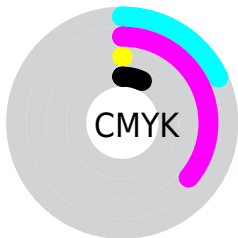
Blue (93%)



Red (76%)

Yellow (60%)

Blue (93%)

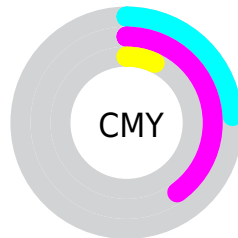


Cyan (18%)

Magenta (36%)

Yellow (0%)

Black (7%)



Cyan (24%)

Magenta (40%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5576, 0.2803, 0.2304 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 40.5576, 0.2803, 0.2304 by changing the saturation by 10% instead.


 40.5576, 0.2803,
0.2304


 40.5576, 0.2803,
0.2304


348.4682, 0.2976,
0.2769

 27.9736, 0.2758,
0.2197


 76.0119, 0.2868,
0.2466

 18.3057, 0.2699,
0.2066


 99.6509, 0.2891,
0.2529

 11.1697, 0.2620,
0.1901


127.7437, 0.2911,
0.2583

 6.1811, 0.2508,
0.1688

160.6746, 0.2928,
0.2630

 2.9555, 0.2344,
0.1408

198.8282, 0.2943,
0.2671

 1.1086, 0.2085,
0.1034

242.5887, 0.2955,

 0.0000, 0.1738,

0.2707

0.0000

292.3406, 0.2966,
0.2740

0.0000, 0.0000,
0.0000

40.5576, 0.2803,
0.2304

40.5576, 0.2803,
0.2304

31.9922, 0.2683,
0.2004

50.8092, 0.2910,
0.2600

25.0121, 0.2554,
0.1712

62.8302, 0.3005,
0.2884

19.5130, 0.2420,
0.1444

76.7041, 0.3086,
0.3148

15.3756, 0.2286,
0.1214

92.5075, 0.3155,
0.3391

12.4610, 0.2159,
0.1035

98.9543, 0.3226,
0.3454

■ 10.5982, 0.2043,
0.0914

■ 10.0089, 0.1997,
0.0874

Harmonies

Analogous

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



40.5576, 0.2248, 0.2201



40.5576, 0.2803, 0.2304



40.5576, 0.3521, 0.2608

Triad

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



40.5576, 0.2803, 0.2304



40.5576, 0.4432, 0.4103



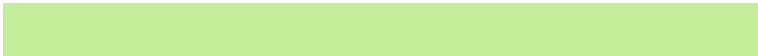
40.5576, 0.2143, 0.3416

Complementary

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



40.5576, 0.2803, 0.2304



75.1891, 0.3361, 0.4277

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.



40.5576, 0.2651, 0.4151



40.5576, 0.2803, 0.2304



40.5576, 0.3975, 0.4504

Square

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



40.5576, 0.2803, 0.2304



40.5576, 0.4528, 0.3581



40.5576, 0.3321, 0.4573



40.5576, 0.1903, 0.2745

Rectangle

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



40.5576, 0.2803, 0.2304



40.5576, 0.3988, 0.2896



40.5576, 0.3321, 0.4573



40.5576, 0.2285, 0.3671

Sweetspot

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



40.5593, 0.2803, 0.2304



80.8012, 0.3045, 0.3010



52.8397, 0.2555, 0.2782



16.8287, 0.3033, 0.2974



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.



40.5593, 0.2803, 0.2304



39.8021, 0.2715, 0.2081



46.8864, 0.3156, 0.2402



15.6127, 0.3057, 0.3051



5.6597, 0.2013, 0.0883



0.5299, 0.2156, 0.0961

Inverse Universe

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



44.9397, 0.3551, 0.2819



45.8233, 0.3677, 0.2720



70.3695, 0.3085, 0.4366



15.8921, 0.3214, 0.3171



10.9272, 0.4936, 0.2493



0.9291, 0.4647, 0.2334

Previews

White Background



This preview shows how the Yxy color 40.5576, 0.2803, 0.2304 looks on a white background.

Color Contrast Check

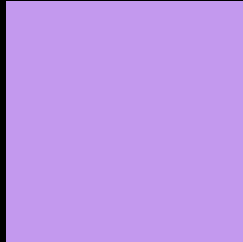
Large Text (above 18pt) WCAG AA × Fail

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 40.5576, 0.2803, 0.2304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

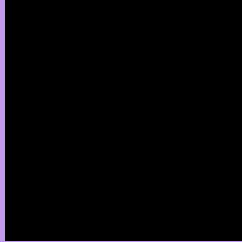
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5576, 0.2803, 0.2304

Background



This preview shows how black text looks on a background with the Yxy color 40.5576, 0.2803, 0.2304.



This preview shows how white text looks on a background with the Yxy color 40.5576, 0.2803, 0.2304.

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

40.5576, 0.2803, 0.2304

Protanopia

40.8367, 0.2380, 0.2273

Deuteranopia

40.9534, 0.2509, 0.2450



Tritanopia

40.4389, 0.3200, 0.3118

Trichromacy



Original Color

40.5576, 0.2803, 0.2304

Protanomaly

40.6347, 0.2517, 0.2281

Deuteranomaly

40.4660, 0.2606, 0.2388

Tritanomaly

40.4787, 0.3050, 0.2796

Monochromacy



Original Color

40.5576, 0.2803, 0.2304

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.6597, 0.3004, 0.2890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5576, 0.2803, 0.2304 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(195, 153, 238)` looks like.

```
.text, #text, p{  
    color:rgb(195, 153, 238)  
}
```

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(195, 153, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 153, 238) }
```

Border

The CSS property to change the border of an element to Yxy 40.5576, 0.2803, 0.2304 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(195, 153, 238) }
```

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

```
.border{ border-color:rgb(195, 153, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 153, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 153, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 153, 238); box-shadow:4px 4px 4px 4px rgb(195, 153, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5576, 0.2803, 0.2304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 153, 238) }
```

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

```
.background{ background-color: rgb(195,  
153, 238) }
```

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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