

Converting Colors

$Y_{xy}(40.4794, 0.2759, 0.2257)$

Have a look what the booklet for
Yxy(40.4794, 0.2759, 0.2257)
contains.

| | |
|---|----|
| Yxy(40.5307, 0.2758, 0.2262) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(40.5307, 0.2758, 0.2262)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C199F2 |
| RGB | 193, 153, 242 |
| RGB Percent | 76%, 60%, 95% |
| CMY | 0.2430, 0.4000, 0.0509 |
| CMYK | 0.20, 0.37, 0.00, 0.05 |
| HSL | 267°, 77%, 77% |
| HSV | 267°, 37%, 95% |
| XYZ | 49.4181, 40.5307, 89.2320 |
| YIQ | 175.1060, -4.7290, 36.1590 |

Conversions

Conversions Part 2

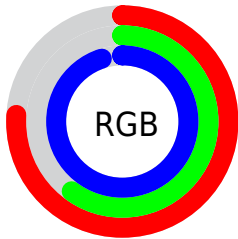
| Format | Color |
|-------------------------------------|---|
| RYB | 193, 153, 242 |
| Decimal | 12687858 |
| CIELab | 69.85, 32.03, -39.15 |
| CIELCh | 70, 50.584, 309.287 |
| Yxy | 40.5307, 0.2758, 0.2262 |
| Android (android.graphics.Color) | 4290877938 (0xFFC199F2) |
| YUV | 175.1060, 32.9787, 15.6930 |
| Hunter-Lab | 63.6637, 27.1466, -38.5372 |

Details

The Yxy color $40.5307, 0.2758, 0.2262$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $78.3629, 0.3395, 0.4301$, and the grayscale version is $42.7576, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.8410, 0.3120, 0.2827$, and $18.2134, 0.2647, 0.2018$ is the 20% darker color. If you saturate the color by 10%, you get $31.7259, 0.2626, 0.1956$, and if you desaturate by 10%, it is $51.1028, 0.2877, 0.2564$.

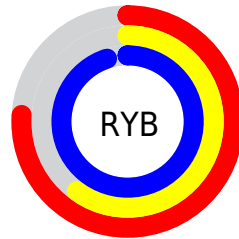
Distribution



Red (76%)

Green (60%)

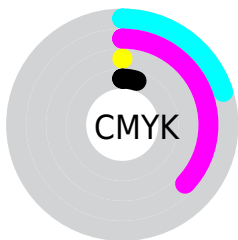
Blue (95%)



Red (76%)

Yellow (60%)

Blue (95%)

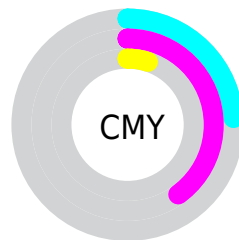


Cyan (20%)

Magenta (37%)

Yellow (0%)

Black (5%)



Cyan (24%)


Magenta (40%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5307, 0.2758, 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 40.5307, 0.2758, 0.2262 by changing the saturation by 10% instead.


 40.5307, 0.2758,
0.2262


 40.5307, 0.2758,
0.2262


348.3553, 0.2953,
0.2745

 27.9526, 0.2707,
0.2152


 75.9710, 0.2831,
0.2430

 18.2899, 0.2642,
0.2017


 99.6019, 0.2858,
0.2495

 11.1583, 0.2554,
0.1847


127.6859, 0.2880,
0.2551

 6.1734, 0.2432,
0.1631

160.6073, 0.2899,
0.2600

 2.9508, 0.2255,
0.1348

198.7506, 0.2916,
0.2643

 1.1061, 0.1980,
0.0976

242.5001, 0.2930,

 0.0000, 0.1608,

0.2681

0.0000

292.2402, 0.2942,
0.2714

0.0000, 0.0000,
0.0000

40.5307, 0.2758,
0.2262

40.5307, 0.2758,
0.2262

31.7259, 0.2626,
0.1956

51.1028, 0.2877,
0.2564

24.5815, 0.2486,
0.1658

63.5307, 0.2982,
0.2852

18.9866, 0.2341,
0.1385

77.9028, 0.3073,
0.3121

14.8138, 0.2198,
0.1153

94.3004, 0.3151,
0.3366

11.9145, 0.2065,
0.0976

99.1915, 0.3203,
0.3415

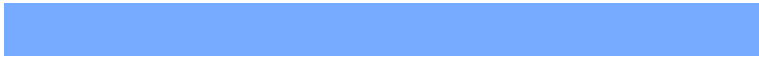
■ 10.1010, 0.1948,
0.0857

■ 9.6543, 0.1913,
0.0827

Harmonies

Analogous

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



40.5307, 0.2197, 0.2165



40.5307, 0.2758, 0.2262



40.5307, 0.3499, 0.2566

Triad

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



40.5307, 0.2758, 0.2262



40.5307, 0.4492, 0.4102



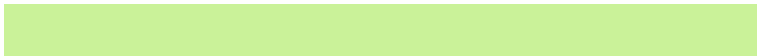
40.5307, 0.2126, 0.3455

Complementary

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



40.5307, 0.2758, 0.2262



78.3629, 0.3395, 0.4301

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.



40.5307, 0.2660, 0.4219



40.5307, 0.2758, 0.2262



40.5307, 0.4030, 0.4533

Square

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



40.5307, 0.2758, 0.2262



40.5307, 0.4575, 0.3560



40.5307, 0.3357, 0.4635



40.5307, 0.1867, 0.2748

Rectangle

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



40.5307, 0.2758, 0.2262



40.5307, 0.3990, 0.2858



40.5307, 0.3357, 0.4635



40.5307, 0.2276, 0.3722

Sweetspot

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



40.5323, 0.2758, 0.2262



80.5806, 0.3036, 0.3010



56.1005, 0.2545, 0.2821



16.7762, 0.3024, 0.2973



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.



40.5323, 0.2758, 0.2262



38.1782, 0.2663, 0.2037



47.0364, 0.3119, 0.2365



15.5768, 0.3050, 0.3051



5.2644, 0.1930, 0.0837



0.4962, 0.2076, 0.0917

Inverse Universe

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



45.9208, 0.3530, 0.2763



45.2299, 0.3644, 0.2658



73.1743, 0.3111, 0.4395



15.9044, 0.3207, 0.3161



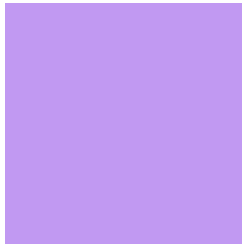
11.0808, 0.4746, 0.2388



0.9419, 0.4488, 0.2246

Previews

White Background



This preview shows how the Yxy color 40.5307, 0.2758, 0.2262 looks on a white background.

Color Contrast Check

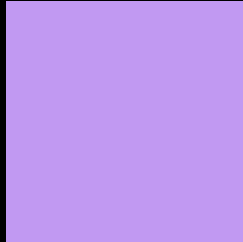
Large Text (above 18pt) WCAG AA × Fail

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 40.5307, 0.2758, 0.2262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

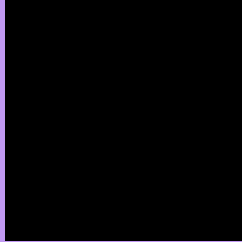
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5307, 0.2758, 0.2262

Background



This preview shows how black text looks on a background with the Yxy color 40.5307, 0.2758, 0.2262.

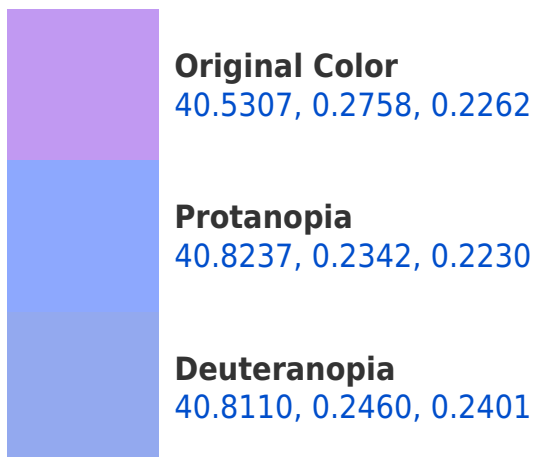


This preview shows how white text looks on a background with the Yxy color 40.5307, 0.2758, 0.2262.

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





Tritanopia

40.4722, 0.3163, 0.3117

Trichromacy



Original Color

40.5307, 0.2758, 0.2262

Protanomaly

40.5701, 0.2473, 0.2237

Deuteranomaly

40.3782, 0.2560, 0.2342

Tritanomaly

40.1931, 0.3007, 0.2768

Monochromacy



Original Color

40.5307, 0.2758, 0.2262

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.7060, 0.2996, 0.2878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5307, 0.2758, 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(193, 153, 242)` looks like.

```
.text, #text, p{  
    color:rgb(193, 153, 242)  
}
```

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(193, 153, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 153, 242) }
```

Border

The CSS property to change the border of an element to Yxy 40.5307, 0.2758, 0.2262 is called "border". The border property can be set on classes, ids or directly on the HTML element.

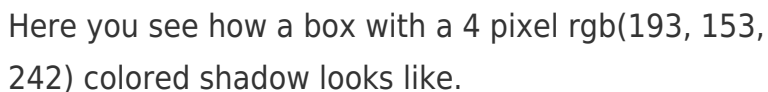
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 153, 242) }
```

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

```
.border{ border-color:rgb(193, 153, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 153, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 153, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 153, 242); box-shadow:4px 4px 4px 4px rgb(193, 153, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5307, 0.2758, 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(193, 153, 242) }
```

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

```
.background{ background-color: rgb(193,  
153, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor