

Converting Colors

$Y_{xy}(42.1436, 0.2496, 0.1795)$

Have a look what the booklet for
Yxy(42.1436, 0.2496, 0.1795)
contains.

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Color

Yxy(39.5840, 0.2726, 0.2070)

Conversions

Conversions Part 1

Format	Color
Hex	C990FF
RGB	201, 144, 255
RGB Percent	79%, 56%, 100%
CMY	0.2114, 0.4354, 0.0000
CMYK	0.21, 0.44, 0.00, 0.00
HSL	271°, 100%, 78%
HSV	271°, 44%, 100%
XYZ	52.1285, 39.5840, 99.5146
YIQ	173.6970, -1.6590, 46.6050

Conversions

Conversions Part 2

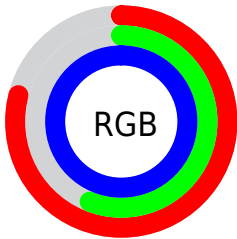
Format	Color
R _Y B	201, 144, 255
Decimal	13209855
CIE Lab	69.17, 42.15, -47.24
CIE LCh	69, 63.315, 311.742
Yxy	39.5840, 0.2726, 0.2070
Android (android.graphics.Color)	4291399935 (0xFFC990FF)
YUV	173.6970, 40.0824, 23.9447
Hunter-Lab	62.9158, 37.7923, -49.7385

Details

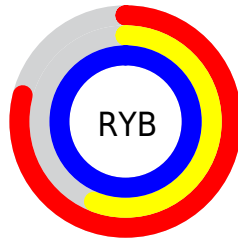
The Yxy color **39.5840, 0.2726, 0.2070** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85.5223, 0.3388, 0.4523**, and the grayscale version is **41.9567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3268, 0.3153, 0.2742**, and **17.7513, 0.2597, 0.1794** is the 20% darker color. If you saturate the color by 10%, you get **31.0668, 0.2603, 0.1778**, and if you desaturate by 10%, it is **49.9846, 0.2839, 0.2369**.

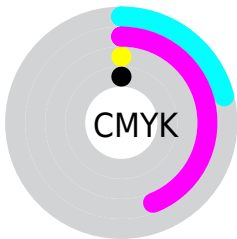
Distribution



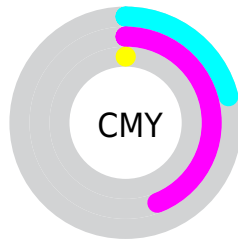
- Red (79%)
- Green (56%)
- Blue (100%)



- Red (79%)
- Yellow (56%)
- Blue (100%)



- Cyan (21%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (21%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5840, 0.2726, 0.2070 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 39.5840, 0.2726, 0.2070 by changing the saturation by 10% instead.

 39.5840, 0.2726,
0.2070


 39.5840, 0.2726,
0.2070

344.3671, 0.2942,
0.2630

 27.2143, 0.2670,
0.1946


 74.5296, 0.2807,
0.2261

 17.7343, 0.2597,
0.1797


 97.8744, 0.2836,
0.2337

 10.7594, 0.2501,
0.1613


125.6463, 0.2861,
0.2402

 5.9053, 0.2368,
0.1384

158.2298, 0.2882,
0.2459

 2.7876, 0.2177,
0.1097

196.0092, 0.2900,
0.2510

 1.0219, 0.1890,
0.0743

239.3689, 0.2916,

 0.0000, 0.1495,

0.2554

0.0000


288.6934, 0.2930,
0.2594


 0.0000, 0.0000,
0.0000


 39.5840, 0.2726,
0.2070


 39.5840, 0.2726,
0.2070

 31.0668, 0.2603,
0.1778


 49.9846, 0.2839,
0.2369

 24.3094, 0.2474,
0.1506


 62.3781, 0.2940,
0.2663

 19.1752, 0.2343,
0.1270

 76.8673, 0.3028,
0.2942

 15.5056, 0.2217,
0.1083

 93.5470, 0.3103,
0.3203

 13.1080, 0.2101,
0.0952

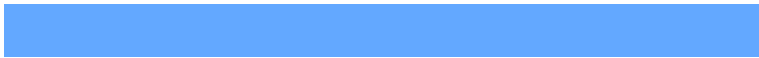
100.0000, 0.3127,
0.3290

■ 12.0592, 0.2033,
0.0893

Harmonies

Analogous

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



39.5840, 0.2033, 0.1928



39.5840, 0.2726, 0.2070



39.5840, 0.3662, 0.2445

Triad

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



39.5840, 0.2726, 0.2070



39.5840, 0.4762, 0.4279



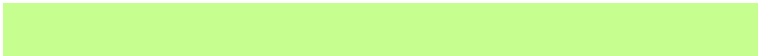
39.5840, 0.1852, 0.3393

Complementary

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



39.5840, 0.2726, 0.2070



85.5223, 0.3388, 0.4523

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.



39.5840, 0.2459, 0.4424



39.5840, 0.2726, 0.2070



39.5840, 0.4137, 0.4845

Square

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



39.5840, 0.2726, 0.2070



39.5840, 0.4949, 0.3622



39.5840, 0.3298, 0.5002



39.5840, 0.1592, 0.2532

Rectangle

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



39.5840, 0.2726, 0.2070



39.5840, 0.4280, 0.2795



39.5840, 0.3298, 0.5002



39.5840, 0.2017, 0.3744

Sweetspot

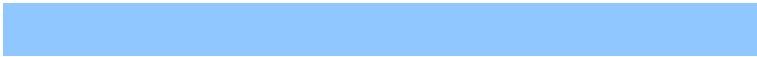
The Sweet Spot groups the original color and five complimentary colors.



39.5845, 0.2726, 0.2070



77.7167, 0.3032, 0.2957



54.2151, 0.2423, 0.2623



15.9048, 0.3014, 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.



39.5845, 0.2726, 0.2070



32.2634, 0.2623, 0.1822



48.4156, 0.3177, 0.2221



17.8372, 0.3060, 0.3050



6.3905, 0.2049, 0.0903



0.6873, 0.2170, 0.0969

Inverse Universe

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



45.2674, 0.3709, 0.2735



38.8564, 0.3879, 0.2636



79.4586, 0.3063, 0.4655



18.1341, 0.3218, 0.3175



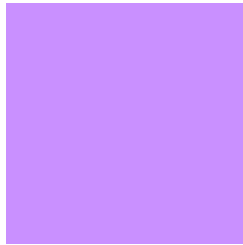
11.8968, 0.5026, 0.2542



1.1803, 0.4763, 0.2398

Previews

White Background



This preview shows how the Yxy color 39.5840, 0.2726, 0.2070 looks on a white background.

Color Contrast Check

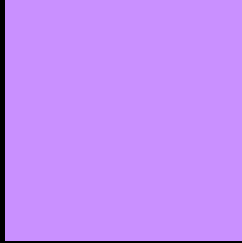
Large Text (above 18pt) WCAG AA × Fail

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 39.5840, 0.2726, 0.2070 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 39.5840, 0.2726, 0.2070

Background



This preview shows how black text looks on a background with the Yxy color 39.5840, 0.2726, 0.2070.



This preview shows how white text looks on a background with the Yxy color 39.5840, 0.2726, 0.2070.

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

39.5840, 0.2726, 0.2070

Protanopia

39.8108, 0.2309, 0.2189

Deuteranopia

39.8939, 0.2315, 0.2256



Tritanopia

39.5006, 0.3249, 0.3119

Trichromacy



Original Color

39.5840, 0.2726, 0.2070



Protanomaly

39.1473, 0.2437, 0.2131



Deuteranomaly

39.0936, 0.2442, 0.2166



Tritanomaly

39.0088, 0.3045, 0.2678

Monochromacy



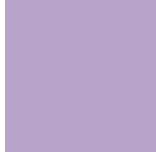
Original Color

39.5840, 0.2726, 0.2070



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.6965, 0.2981, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5840, 0.2726, 0.2070 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(201, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 144, 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(201, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 144, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.5840, 0.2726, 0.2070 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(201, 144, 255) }
```

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

```
.border{ border-color:rgb(201, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 144, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 144, 255); box-shadow:4px 4px 4px 4px rgb(201, 144, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5840, 0.2726, 0.2070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 144, 255) }
```

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

```
.background{ background-color: rgb(201,  
144, 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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