

Converting Colors

$Y_{xy}(39.7962, 0.2558, 0.2122)$

Have a look what the booklet for
Yxy(39.7962, 0.2558, 0.2122)
contains.

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Color

Yxy(39.7962, 0.2558, 0.2122)

Conversions

Conversions Part 1

Format	Color
Hex	B29AFF
RGB	178, 154, 255
RGB Percent	70%, 60%, 100%
CMY	0.3018, 0.3961, 0.0000
CMYK	0.30, 0.40, 0.00, 0.00
HSL	254°, 100%, 80%
HSV	254°, 40%, 100%
XYZ	47.9730, 39.7962, 99.7718
YIQ	172.6900, -18.1170, 36.4990

Conversions

Conversions Part 2

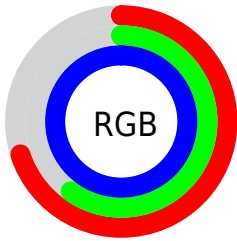
Format	Color
RYB	178, 154, 255
Decimal	11705087
CIELab	69.32, 30.32, -47.15
CIELCh	69, 56.056, 302.745
Yxy	39.7962, 0.2558, 0.2122
Android (android.graphics.Color)	4289895167 (0xFFB29AFF)
YUV	172.6900, 40.5788, 4.6569
Hunter-Lab	63.0842, 25.3446, -49.6120

Details

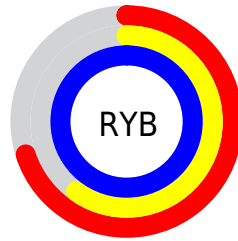
The Yxy color **39.7962, 0.2558, 0.2122** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **90.8338, 0.3557, 0.4335**, and the grayscale version is **41.4218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6538, 0.3013, 0.2822**, and **17.9153, 0.2387, 0.1854** is the 20% darker color. If you saturate the color by 10%, you get **30.1170, 0.2377, 0.1788**, and if you desaturate by 10%, it is **51.5898, 0.2727, 0.2450**.

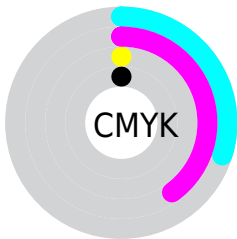
Distribution



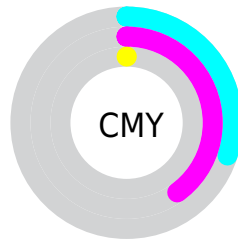
- Red (70%)
- Green (60%)
- Blue (100%)



- Red (70%)
- Yellow (60%)
- Blue (100%)



- Cyan (30%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (30%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7962, 0.2558, 0.2122 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 39.7962, 0.2558, 0.2122 by changing the saturation by 10% instead.


 39.7962, 0.2558,
0.2122


 39.7962, 0.2558,
0.2122


345.2638, 0.2851,
0.2666

 27.3797, 0.2485,
0.2000


 74.8531, 0.2665,
0.2309

 17.8586, 0.2392,
0.1852


 98.2622, 0.2705,
0.2383

 10.8485, 0.2271,
0.1668


126.1044, 0.2739,
0.2446

 5.9651, 0.2107,
0.1438

158.7639, 0.2768,
0.2501

 2.8238, 0.1880,
0.1147

196.6252, 0.2793,
0.2550

 1.0405, 0.1552,
0.0783

240.0727, 0.2815,


 0.0000, 0.1099,


0.2593


0.0000


289.4908, 0.2834,
0.2631


 0.0000, 0.0000,
0.0000


 39.7962, 0.2558,
0.2122


 39.7962, 0.2558,
0.2122


 30.1170, 0.2377,
0.1788


 51.5898, 0.2727,
0.2450

 22.4226, 0.2192,
0.1464


 65.6130, 0.2880,
0.2760

 16.5715, 0.2013,
0.1173

 81.9746, 0.3014,
0.3044

 12.4026, 0.1852,
0.0935

100.0000, 0.3127,
0.3290

 9.7251, 0.1719,
0.0767

■ 8.2482, 0.1622,
0.0668

■ 8.2028, 0.1619,
0.0665

Harmonies

Analogous

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



39.7962, 0.2008, 0.2068



39.7962, 0.2558, 0.2122



39.7962, 0.3349, 0.2406

Triad

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



39.7962, 0.2558, 0.2122



39.7962, 0.4695, 0.4035



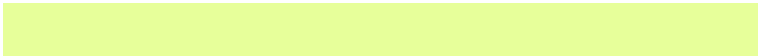
39.7962, 0.2122, 0.3665

Complementary

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



39.7962, 0.2558, 0.2122



90.8338, 0.3557, 0.4335

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.



39.7962, 0.2758, 0.4491



39.7962, 0.2558, 0.2122



39.7962, 0.4249, 0.4569

Square

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



39.7962, 0.2558, 0.2122



39.7962, 0.4691, 0.3437



39.7962, 0.3537, 0.4817



39.7962, 0.1779, 0.2825

Rectangle

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



39.7962, 0.2558, 0.2122



39.7962, 0.3915, 0.2700



39.7962, 0.3537, 0.4817



39.7962, 0.2306, 0.3968

Sweetspot

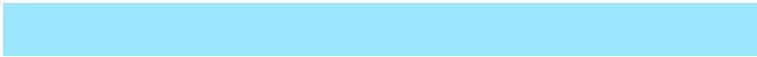
The Sweet Spot groups the original color and five complimentary colors.



39.7968, 0.2558, 0.2122



77.8497, 0.2984, 0.2979



71.4822, 0.2537, 0.3019



16.1925, 0.2967, 0.2942



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.



39.7968, 0.2558, 0.2122



31.5398, 0.2407, 0.1841



46.8320, 0.2950, 0.2242



17.5864, 0.3016, 0.3047



4.3426, 0.1631, 0.0672



0.4704, 0.1738, 0.0731

Inverse Universe

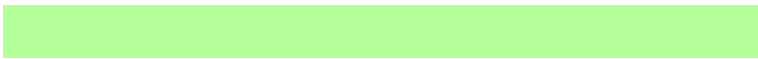
The Inverse Universe completely reimagines the original color for something new.



50.1344, 0.3377, 0.2519



43.4091, 0.3447, 0.2365



83.6674, 0.3228, 0.4455



18.2221, 0.3175, 0.3111



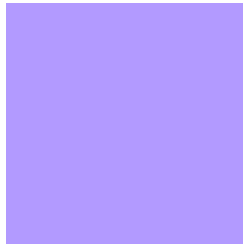
13.1754, 0.3923, 0.1935



1.2998, 0.3824, 0.1880

Previews

White Background



This preview shows how the Yxy color 39.7962, 0.2558, 0.2122 looks on a white background.

Color Contrast Check

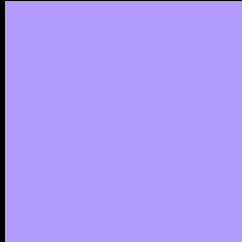
Large Text (above 18pt) WCAG AA × Fail

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 39.7962, 0.2558, 0.2122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

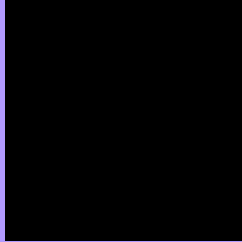
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7962, 0.2558, 0.2122

Background



This preview shows how black text looks on a background with the Yxy color 39.7962, 0.2558, 0.2122.



This preview shows how white text looks on a background with the Yxy color 39.7962, 0.2558, 0.2122.

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

39.7962, 0.2558, 0.2122

Protanopia

39.8957, 0.2315, 0.2190

Deuteranopia

39.9391, 0.2300, 0.2235



Tritanopia

39.6873, 0.2968, 0.3096

Trichromacy



Original Color

39.7962, 0.2558, 0.2122

Protanomaly

39.8330, 0.2398, 0.2166

Deuteranomaly

39.6758, 0.2385, 0.2190

Tritanomaly

39.5894, 0.2808, 0.2702

Monochromacy



Original Color

39.7962, 0.2558, 0.2122

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.6982, 0.2905, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7962, 0.2558, 0.2122 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(178, 154, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 154, 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(178, 154, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 154, 255) }
```

Border

The CSS property to change the border of an element to Yxy 39.7962, 0.2558, 0.2122 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(178, 154, 255) }
```

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

```
.border{ border-color:rgb(178, 154, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 154, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 154, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 154, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 154,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7962, 0.2558, 0.2122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 154, 255) }
```

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

```
.background{ background-color: rgb(178,  
154, 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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