

Converting Colors

$Y_{xy}(39.4019, 0.2235, 0.1772)$

Have a look what the booklet for
Yxy(39.4019, 0.2235, 0.1772)
contains.

Yxy(36.9456, 0.2413, 0.2055)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.9456, 0.2413, 0.2055)

Conversions

Conversions Part 1

Format	Color
Hex	9E98FF
RGB	158, 152, 255
RGB Percent	62%, 60%, 100%
CMY	0.3803, 0.4039, 0.0000
CMYK	0.38, 0.40, 0.00, 0.00
HSL	244°, 100%, 80%
HSV	244°, 40%, 100%
XYZ	43.3819, 36.9456, 99.4565
YIQ	165.5360, -29.4870, 33.3050

Conversions

Conversions Part 2

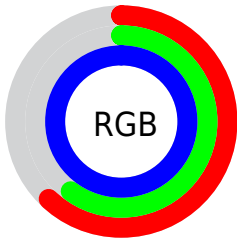
Format	Color
RYB	158, 152, 255
Decimal	10393855
CIELab	67.24, 26.19, -50.54
CIELCh	67, 56.927, 297.395
Yxy	36.9456, 0.2413, 0.2055
Android (android.graphics.Color)	4288583935 (0xFF9E98FF)
YUV	165.5360, 44.1058, -6.6091
Hunter-Lab	60.7829, 21.0287, -54.4657

Details

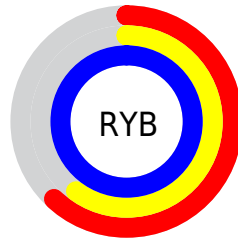
The Yxy color **36.9456, 0.2413, 0.2055** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **93.9221, 0.3692, 0.4308**, and the grayscale version is **37.6940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9615, 0.2874, 0.2770**, and **16.2094, 0.2209, 0.1762** is the 20% darker color. If you saturate the color by 10%, you get **27.3384, 0.2202, 0.1701**, and if you desaturate by 10%, it is **48.8095, 0.2617, 0.2402**.

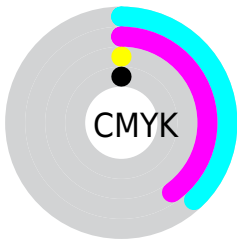
Distribution



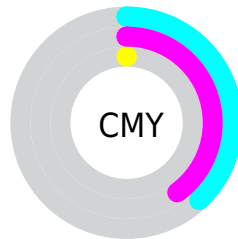
- Red (62%)
- Green (60%)
- Blue (100%)



- Red (62%)
- Yellow (60%)
- Blue (100%)



- Cyan (38%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9456, 0.2413, 0.2055 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 36.9456, 0.2413, 0.2055 by changing the saturation by 10% instead.

 36.9456, 0.2413,
0.2055


 36.9456, 0.2413,
0.2055


333.0749, 0.2778,
0.2635

 25.1654, 0.2323,
0.1924


 70.4891, 0.2545,
0.2256

 16.2003, 0.2209,
0.1765


 93.0212, 0.2595,
0.2334

 9.6660, 0.2062,
0.1569


119.9060, 0.2638,
0.2402

 5.1781, 0.1867,
0.1324

151.5279, 0.2674,
0.2461

 2.3521, 0.1600,
0.1017

188.2714, 0.2705,
0.2512

 0.8011, 0.1231,
0.0643

230.5208, 0.2732,

 0.0000, 0.0609,

0.2558

0.0000

278.6605, 0.2756,
0.2599

0.0000, 0.0000,
0.0000

36.9456, 0.2413,
0.2055

36.9456, 0.2413,
0.2055

27.3384, 0.2202,
0.1701

48.8095, 0.2617,
0.2402

19.8419, 0.1997,
0.1360

63.0575, 0.2805,
0.2726

14.2980, 0.1813,
0.1061

79.8111, 0.2974,
0.3020

10.5246, 0.1664,
0.0827

99.1827, 0.3122,
0.3280

8.3056, 0.1564,
0.0677

100.0000, 0.3127,
0.3290

■ 7.3208, 0.1513,
0.0607

Harmonies

Analogous

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



36.9456, 0.1900, 0.2043



36.9456, 0.2413, 0.2055



36.9456, 0.3197, 0.2309

Triad

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



36.9456, 0.2413, 0.2055



36.9456, 0.4792, 0.3941



36.9456, 0.2181, 0.3850

Complementary

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



36.9456, 0.2413, 0.2055



93.9221, 0.3692, 0.4308

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.



36.9456, 0.2878, 0.4657



36.9456, 0.2413, 0.2055



36.9456, 0.4393, 0.4523

Square

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



36.9456, 0.2413, 0.2055



36.9456, 0.4695, 0.3326



36.9456, 0.3688, 0.4871



36.9456, 0.1771, 0.2938

Rectangle

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



36.9456, 0.2413, 0.2055



36.9456, 0.3792, 0.2590



36.9456, 0.3688, 0.4871



36.9456, 0.2387, 0.4160

Sweetspot

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



36.9466, 0.2413, 0.2055



76.9460, 0.2948, 0.2975



82.1730, 0.2561, 0.3231



15.9815, 0.2926, 0.2938



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.



36.9466, 0.2413, 0.2055



29.4403, 0.2253, 0.1785



43.1794, 0.2792, 0.2173



17.4284, 0.2988, 0.3045



3.8450, 0.1517, 0.0609



0.3914, 0.1558, 0.0632

Inverse Universe

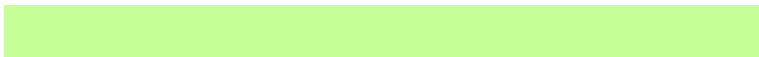
The Inverse Universe completely reimagines the original color for something new.



50.5534, 0.3223, 0.2342



44.6932, 0.3244, 0.2180



85.8400, 0.3349, 0.4436



18.2809, 0.3147, 0.3069



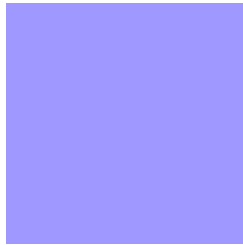
14.4067, 0.3362, 0.1626



1.4081, 0.3343, 0.1615

Previews

White Background



This preview shows how the Yxy color 36.9456, 0.2413, 0.2055 looks on a white background.

Color Contrast Check

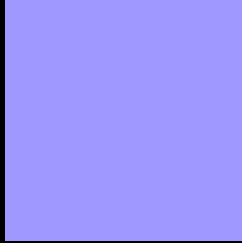
Large Text (above 18pt) WCAG AA × Fail

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 36.9456, 0.2413, 0.2055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

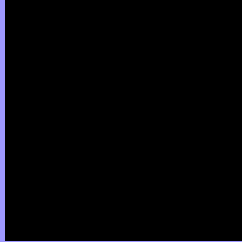
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9456, 0.2413, 0.2055

Background



This preview shows how black text looks on a background with the Yxy color 36.9456, 0.2413, 0.2055.



This preview shows how white text looks on a background with the Yxy color 36.9456, 0.2413, 0.2055.

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

36.9456, 0.2413, 0.2055

Protanopia

36.9508, 0.2244, 0.2098

Deuteranopia

37.1378, 0.2207, 0.2140



Tritanopia

37.0042, 0.2790, 0.3098

Trichromacy



Original Color

36.9456, 0.2413, 0.2055

Protanomaly

36.8229, 0.2301, 0.2079

Deuteranomaly

36.9386, 0.2275, 0.2103

Tritanomaly

36.5978, 0.2638, 0.2657

Monochromacy



Original Color

36.9456, 0.2413, 0.2055

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.3535, 0.2838, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9456, 0.2413, 0.2055 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(158, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 152, 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(158, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 152, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.9456, 0.2413, 0.2055 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(158, 152, 255) }
```

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

```
.border{ border-color:rgb(158, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 152,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9456, 0.2413, 0.2055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 152, 255) }
```

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

```
.background{ background-color: rgb(158,  
152, 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](#).

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