

Converting Colors

$Y_{xy}(45.4202, 0.2236, 0.1956)$

Have a look what the booklet for
Yxy(45.4202, 0.2236, 0.1956)
contains.

Yxy(43.0212, 0.2409, 0.2275)	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(43.0212, 0.2409, 0.2275)

Conversions

Conversions Part 1

Format	Color
Hex	98ABFF
RGB	152, 171, 255
RGB Percent	60%, 67%, 100%
CMY	0.4042, 0.3293, 0.0000
CMYK	0.40, 0.33, 0.00, 0.00
HSL	229°, 100%, 80%
HSV	229°, 40%, 100%
XYZ	45.5552, 43.0212, 100.5278
YIQ	174.8950, -38.2880, 22.0960

Conversions

Conversions Part 2

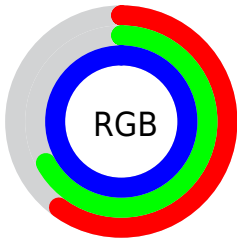
Format	Color
RYB	152, 168, 255
Decimal	10005503
CIELab	71.57, 13.84, -43.77
CIElCh	72, 45.902, 287.548
Yxy	43.0212, 0.2409, 0.2275
Android (android.graphics.Color)	4288195583 (0xFF98ABFF)
YUV	174.8950, 39.4918, -20.0789
Hunter-Lab	65.5905, 9.1918, -44.9578

Details

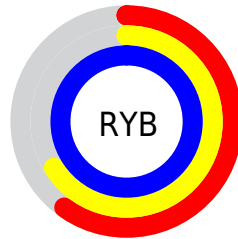
The Yxy color **43.0212, 0.2409, 0.2275** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.4709, 0.3804, 0.4130**, and the grayscale version is **42.6143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1680, 0.2838, 0.2982**, and **19.7577, 0.2217, 0.2027** is the 20% darker color. If you saturate the color by 10%, you get **33.5773, 0.2211, 0.1971**, and if you desaturate by 10%, it is **54.2284, 0.2605, 0.2564**.

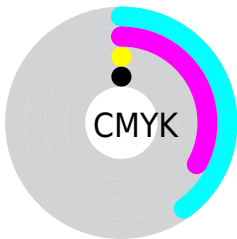
Distribution



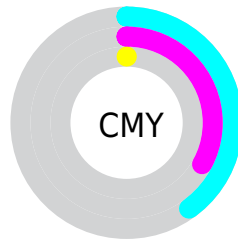
- Red (60%)
- Green (67%)
- Blue (100%)



- Red (60%)
- Yellow (66%)
- Blue (100%)



- Cyan (40%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.0212, 0.2409, 0.2275 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 43.0212, 0.2409, 0.2275 by changing the saturation by 10% instead.

 43.0212, 0.2409,
0.2275


 43.0212, 0.2409,
0.2275

358.6989, 0.2764,
0.2756

 29.9018, 0.2324,
0.2165


 79.7429, 0.2536,
0.2443

 19.7640, 0.2217,
0.2030

 104.1138, 0.2584,
0.2508

 12.2236, 0.2081,
0.1860


133.0041, 0.2625,
0.2564

 6.8962, 0.1901,
0.1644

166.7981, 0.2661,
0.2612

 3.3972, 0.1656,
0.1363

205.8802, 0.2692,
0.2655

 1.3425, 0.1318,
0.0996

250.6348, 0.2719,

 0.1737, 0.0811,

0.2692


0.0280


301.4462, 0.2743,
0.2726


 0.0000, 0.0000,
0.0000


 43.0212, 0.2409,
0.2275


 43.0212, 0.2409,
0.2275


 33.5773, 0.2211,
0.1971


 54.2284, 0.2605,
0.2564


 25.8043, 0.2020,
0.1664


 67.2831, 0.2791,
0.2830


 19.6022, 0.1847,
0.1371

 82.2649, 0.2964,
0.3070

 14.8592, 0.1705,
0.1109

 99.2484, 0.3121,
0.3282

 11.4480, 0.1602,
0.0897

 100.0000, 0.3127,
0.3290

■ 9.2694, 0.1542,
0.0749

Harmonies

Analogous

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



43.0212, 0.2064, 0.2352



43.0212, 0.2409, 0.2275



43.0212, 0.2974, 0.2418

Triad

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



43.0212, 0.2409, 0.2275



43.0212, 0.4440, 0.3687



43.0212, 0.2562, 0.3939

Complementary

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



43.0212, 0.2409, 0.2275



83.4709, 0.3804, 0.4130

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.



43.0212, 0.3167, 0.4418



43.0212, 0.2409, 0.2275



43.0212, 0.4270, 0.4157

Square

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



43.0212, 0.2409, 0.2275



43.0212, 0.4211, 0.3188



43.0212, 0.3794, 0.4465



43.0212, 0.2137, 0.3254

Rectangle

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



43.0212, 0.2409, 0.2275



43.0212, 0.3423, 0.2616



43.0212, 0.3794, 0.4465



43.0212, 0.2750, 0.4138

Sweetspot

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



43.0214, 0.2409, 0.2275



79.7608, 0.2937, 0.3034



84.1523, 0.2664, 0.3524



16.6380, 0.2915, 0.3003



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.



43.0214, 0.2409, 0.2275



35.7027, 0.2259, 0.2045



39.7061, 0.2591, 0.2110



17.9216, 0.2979, 0.3090



4.9985, 0.1547, 0.0770



0.6255, 0.1599, 0.0955

Inverse Universe

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



46.6373, 0.3965, 0.3092



40.3010, 0.4212, 0.3058



89.6453, 0.3521, 0.4373



18.0420, 0.3265, 0.3246



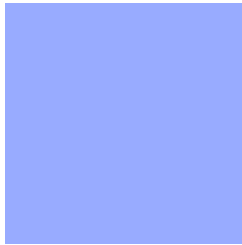
11.2326, 0.6118, 0.3144



1.1077, 0.5827, 0.2984

Previews

White Background



This preview shows how the Yxy color 43.0212, 0.2409, 0.2275 looks on a white background.

Color Contrast Check

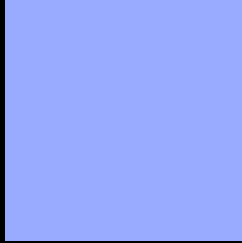
Large Text (above 18pt) WCAG AA × Fail

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 43.0212, 0.2409, 0.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

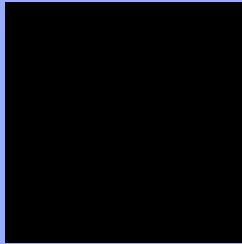
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.0212, 0.2409, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 43.0212, 0.2409, 0.2275.



This preview shows how white text looks on a background with the Yxy color 43.0212, 0.2409, 0.2275.

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

43.0212, 0.2409, 0.2275

Protanopia

43.0209, 0.2387, 0.2281

Deuteranopia

43.1786, 0.2361, 0.2307



Tritanopia

42.8055, 0.2670, 0.3078

Trichromacy



Original Color

43.0212, 0.2409, 0.2275

Protanomaly

43.1146, 0.2393, 0.2283

Deuteranomaly

43.1539, 0.2382, 0.2301

Tritanomaly

42.6535, 0.2566, 0.2754

Monochromacy



Original Color

43.0212, 0.2409, 0.2275

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.8472, 0.2836, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.0212, 0.2409, 0.2275 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(152, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 171, 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(152, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 43.0212, 0.2409, 0.2275 is called "border". The border property can be set on classes, ids or directly on the HTML element.

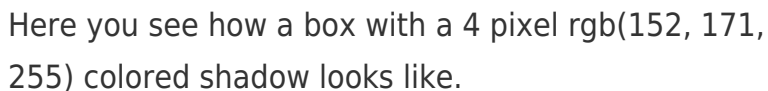
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 171, 255) }
```

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

```
.border{ border-color:rgb(152, 171, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(152, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 171, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 171, 255); box-shadow:4px 4px 4px 4px rgb(152, 171, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 43.0212, 0.2409, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 171, 255) }
```

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

```
.background{ background-color: rgb(152,  
171, 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