

Converting Colors

$Y_{xy}(45.3626, 0.2450, 0.2321)$

Have a look what the booklet for
Yxy(45.3626, 0.2450, 0.2321)
contains.

Yxy(45.2509, 0.2461, 0.2335)	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(45.2509, 0.2461, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	9FAFFF
RGB	159, 175, 255
RGB Percent	62%, 69%, 100%
CMY	0.3762, 0.3138, 0.0000
CMYK	0.38, 0.31, 0.00, 0.00
HSL	230°, 100%, 81%
HSV	230°, 38%, 100%
XYZ	47.6927, 45.2509, 100.8504
YIQ	179.3360, -35.2160, 21.4880

Conversions

Conversions Part 2

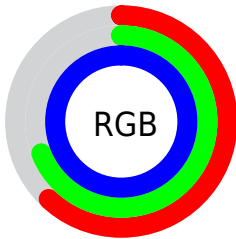
Format	Color
R _Y B	159, 173, 255
Decimal	10465279
CIE _{Lab}	73.06, 13.46, -41.41
CIE _{LCh}	73, 43.541, 288.001
Yxy	45.2509, 0.2461, 0.2335
Android (android.graphics.Color)	4288655359 (0xFF9FAFFF)
YUV	179.3360, 37.3024, -17.8347
Hunter-Lab	67.2688, 8.8338, -41.8003

Details

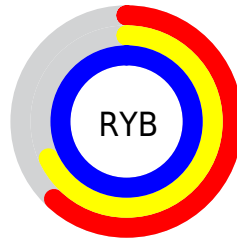
The Yxy color **45.2509, 0.2461, 0.2335** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **85.5588, 0.3748, 0.4090**, and the grayscale version is **45.0851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4126, 0.2884, 0.3029**, and **21.1862, 0.2288, 0.2109** is the 20% darker color. If you saturate the color by 10%, you get **35.2679, 0.2261, 0.2028**, and if you desaturate by 10%, it is **57.0760, 0.2656, 0.2625**.

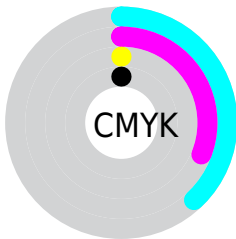
Distribution



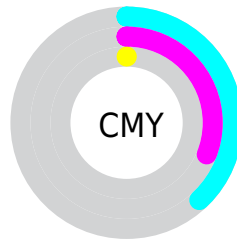
- Red (62%)
- Green (69%)
- Blue (100%)



- Red (62%)
- Yellow (68%)
- Blue (100%)



- Cyan (38%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2509, 0.2461, 0.2335 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 45.2509, 0.2461, 0.2335 by changing the saturation by 10% instead.

■ 45.2509, 0.2461,
0.2335

■ 45.2509, 0.2461,
0.2335

367.7888, 0.2789,
0.2786

■ 31.6551, 0.2383,
0.2232

■ 83.0968, 0.2578,
0.2492

■ 21.0982, 0.2284,
0.2105

■ 108.1157, 0.2623,
0.2553

■ 13.1958, 0.2158,
0.1946

137.7110, 0.2661,
0.2606

■ 7.5635, 0.1992,
0.1741

172.2672, 0.2693,
0.2651

■ 3.8169, 0.1765,
0.1474

212.1687, 0.2722,
0.2691

■ 1.5717, 0.1446,
0.1120

257.7999, 0.2747,

■ 0.3384, 0.0990,

0.2726

0.0516

309.5451, 0.2769,
0.2758

0.0000, 0.0000,
0.0000

45.2509, 0.2461,
0.2335

45.2509, 0.2461,
0.2335

35.2679, 0.2261,
0.2028

57.0760, 0.2656,
0.2625

27.0330, 0.2064,
0.1714

70.8307, 0.2840,
0.2891

20.4434, 0.1884,
0.1411

86.5968, 0.3009,
0.3128

15.3851, 0.1731,
0.1139

100.0000, 0.3127,
0.3290

11.7289, 0.1617,
0.0915

■ 9.3193, 0.1546,
0.0752

■ 8.8947, 0.1534,
0.0722

Harmonies

Analogous

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



45.2509, 0.2130, 0.2407



45.2509, 0.2461, 0.2335



45.2509, 0.2995, 0.2472

Triad

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



45.2509, 0.2461, 0.2335



45.2509, 0.4353, 0.3678



45.2509, 0.2594, 0.3883

Complementary

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



45.2509, 0.2461, 0.2335



85.5588, 0.3748, 0.4090

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.



45.2509, 0.3161, 0.4331



45.2509, 0.2461, 0.2335



45.2509, 0.4194, 0.4115

Square

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



45.2509, 0.2461, 0.2335



45.2509, 0.4143, 0.3206



45.2509, 0.3749, 0.4390



45.2509, 0.2194, 0.3251

Rectangle

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



45.2509, 0.2461, 0.2335



45.2509, 0.3415, 0.2662



45.2509, 0.3749, 0.4390



45.2509, 0.2770, 0.4068

Sweetspot

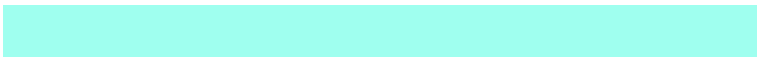
The Sweet Spot groups the original color and five complimentary colors.



45.2509, 0.2461, 0.2335



81.0305, 0.2954, 0.3051



85.1320, 0.2675, 0.3469



16.8808, 0.2931, 0.3019



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.



45.2509, 0.2461, 0.2335



37.7061, 0.2313, 0.2109



43.1274, 0.2661, 0.2208



17.8640, 0.2979, 0.3085



4.7895, 0.1540, 0.0742



0.5968, 0.1588, 0.0918

Inverse Universe

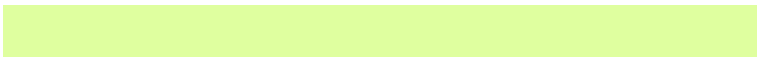
The Inverse Universe completely reimagines the original color for something new.



49.1784, 0.3901, 0.3125



42.6019, 0.4135, 0.3094



89.7183, 0.3475, 0.4303



18.0362, 0.3268, 0.3251



11.2115, 0.6164, 0.3169



1.1048, 0.5884, 0.3015

Previews

White Background



This preview shows how the Yxy color 45.2509, 0.2461, 0.2335 looks on a white background.

Color Contrast Check

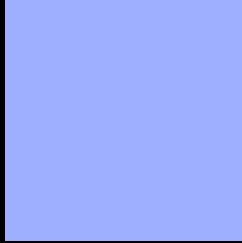
Large Text (above 18pt) WCAG AA × Fail

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 45.2509, 0.2461, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

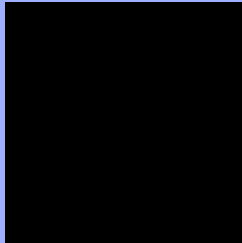
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2509, 0.2461, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 45.2509, 0.2461, 0.2335.



This preview shows how white text looks on a background with the Yxy color 45.2509, 0.2461, 0.2335.

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

45.2509, 0.2461, 0.2335

Protanopia

45.1407, 0.2432, 0.2340

Deuteranopia

45.2436, 0.2415, 0.2348



Tritanopia

45.3989, 0.2719, 0.3098

Trichromacy



Original Color

45.2509, 0.2461, 0.2335

Protanomaly

45.3386, 0.2444, 0.2343

Deuteranomaly

45.1407, 0.2432, 0.2340

Tritanomaly

45.2025, 0.2621, 0.2794

Monochromacy



Original Color

45.2509, 0.2461, 0.2335

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.1164, 0.2856, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2509, 0.2461, 0.2335 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(159, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 175, 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(159, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.2509, 0.2461, 0.2335 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(159, 175, 255) }
```

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

```
.border{ border-color:rgb(159, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2509, 0.2461, 0.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 175, 255) }
```

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

```
.background{ background-color: rgb(159,  
175, 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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