

Converting Colors

Yxy(46.9337, 0.2311, 0.2085)

Have a look what the booklet for
Yxy(46.9337, 0.2311, 0.2085)
contains.

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Color

Yxy(45.0480, 0.2448, 0.2332)

Conversions

Conversions Part 1

Format	Color
Hex	9DAFFF
RGB	157, 175, 255
RGB Percent	62%, 69%, 100%
CMY	0.3843, 0.3137, 0.0000
CMYK	0.38, 0.31, 0.00, 0.00
HSL	229°, 100%, 81%
HSV	229°, 38%, 100%
XYZ	47.2888, 45.0480, 100.8364
YIQ	178.7380, -36.4080, 21.0640

Conversions

Conversions Part 2

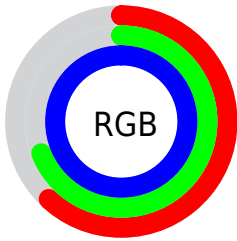
Format	Color
R_{YB}	157, 172, 255
Decimal	10334207
CIE _{Lab}	72.92, 12.91, -41.63
CIE _{LCh}	73, 43.585, 287.223
Yxy	45.0480, 0.2448, 0.2332
Android (android.graphics.Color)	4288524287 (0xFF9DAFFF)
YUV	178.7380, 37.5972, -19.0642
Hunter-Lab	67.1178, 8.3086, -42.0936

Details

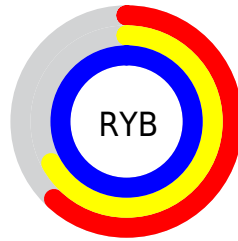
The Yxy color **45.0480, 0.2448, 0.2332** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **84.2680, 0.3768, 0.4092**, and the grayscale version is **44.7432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1098, 0.2872, 0.3028**, and **21.0098, 0.2266, 0.2102** is the 20% darker color. If you saturate the color by 10%, you get **35.2562, 0.2250, 0.2030**, and if you desaturate by 10%, it is **56.6236, 0.2643, 0.2618**.

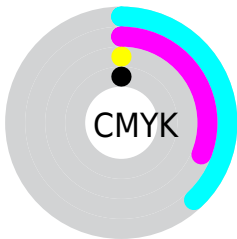
Distribution



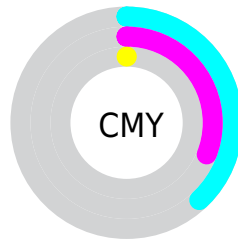
- Red (62%)
- Green (69%)
- Blue (100%)



- Red (62%)
- Yellow (67%)
- 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 45.0480, 0.2448, 0.2332 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 45.0480, 0.2448, 0.2332 by changing the saturation by 10% instead.


 45.0480, 0.2448,
0.2332

 45.0480, 0.2448,
0.2332


366.9679, 0.2782,
0.2785

 31.4952, 0.2368,
0.2228


 82.7924, 0.2567,
0.2490

 20.9762, 0.2268,
0.2101


 107.7529, 0.2613,
0.2551

 13.1066, 0.2140,
0.1940


137.2847, 0.2651,
0.2604

 7.5020, 0.1971,
0.1735

171.7723, 0.2685,
0.2650

 3.7780, 0.1741,
0.1466

211.6000, 0.2714,
0.2690

 1.5502, 0.1419,
0.1111

257.1522, 0.2739,

 0.3236, 0.0955,

0.2725

0.0496

308.8134, 0.2762,
0.2757

0.0000, 0.0000,
0.0000

45.0480, 0.2448,
0.2332

45.0480, 0.2448,
0.2332

35.2562, 0.2250,
0.2030

56.6236, 0.2643,
0.2618

27.1586, 0.2056,
0.1722

70.0680, 0.2826,
0.2879

20.6560, 0.1879,
0.1424

85.4596, 0.2996,
0.3114

15.6390, 0.1730,
0.1155

100.0000, 0.3127,
0.3290

11.9831, 0.1619,
0.0932

■ 9.5345, 0.1549,
0.0768

■ 9.2384, 0.1541,
0.0747

Harmonies

Analogous

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



45.0480, 0.2122, 0.2410



45.0480, 0.2448, 0.2332



45.0480, 0.2979, 0.2464

Triad

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



45.0480, 0.2448, 0.2332



45.0480, 0.4356, 0.3666



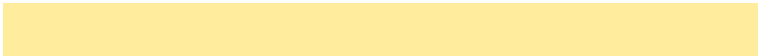
45.0480, 0.2605, 0.3900

Complementary

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



45.0480, 0.2448, 0.2332



84.2680, 0.3768, 0.4092

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.



45.0480, 0.3176, 0.4340



45.0480, 0.2448, 0.2332



45.0480, 0.4205, 0.4107

Square

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



45.0480, 0.2448, 0.2332



45.0480, 0.4136, 0.3193



45.0480, 0.3764, 0.4389



45.0480, 0.2199, 0.3267

Rectangle

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



45.0480, 0.2448, 0.2332



45.0480, 0.3399, 0.2652



45.0480, 0.3764, 0.4389



45.0480, 0.2784, 0.4083

Sweetspot

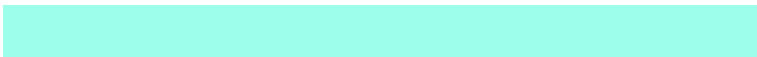
The Sweet Spot groups the original color and five complimentary colors.



45.0476, 0.2448, 0.2332



79.7349, 0.2937, 0.3033



84.7101, 0.2682, 0.3511



16.6320, 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.



45.0476, 0.2448, 0.2332



37.4751, 0.2298, 0.2104



41.8259, 0.2624, 0.2175



17.9170, 0.2979, 0.3090



4.9813, 0.1547, 0.0768



0.6232, 0.1598, 0.0952

Inverse Universe

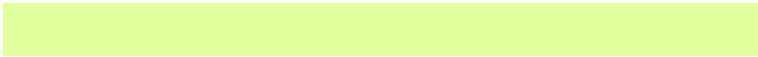
The Inverse Universe completely reimagines the original color for something new.



48.4711, 0.3907, 0.3103



41.8624, 0.4146, 0.3068



90.0590, 0.3504, 0.4318



18.0415, 0.3265, 0.3247



11.2308, 0.6122, 0.3146



1.1075, 0.5832, 0.2986

Previews

White Background



This preview shows how the Yxy color 45.0480, 0.2448, 0.2332 looks on a white background.

Color Contrast Check

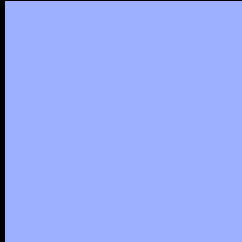
Large Text (above 18pt) WCAG AA × Fail

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 45.0480, 0.2448, 0.2332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

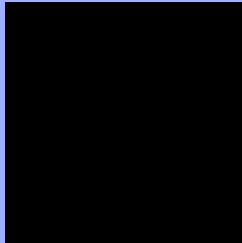
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0480, 0.2448, 0.2332

Background



This preview shows how black text looks on a background with the Yxy color 45.0480, 0.2448, 0.2332.



This preview shows how white text looks on a background with the Yxy color 45.0480, 0.2448, 0.2332.

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

45.0480, 0.2448, 0.2332

Protanopia

45.1407, 0.2432, 0.2340

Deuteranopia

45.1483, 0.2409, 0.2347



Tritanopia

45.2641, 0.2698, 0.3084

Trichromacy



Original Color

45.0480, 0.2448, 0.2332

Protanomaly

45.2392, 0.2438, 0.2342

Deuteranomaly

45.0430, 0.2425, 0.2339

Tritanomaly

45.0659, 0.2601, 0.2780

Monochromacy



Original Color

45.0480, 0.2448, 0.2332

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.0037, 0.2849, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0480, 0.2448, 0.2332 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(157, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.0480, 0.2448, 0.2332 is called "border". The border property can be set on classes, ids or directly on the HTML element.

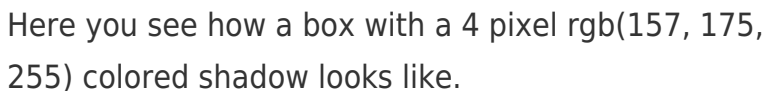
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 175, 255) }
```

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

```
.border{ border-color:rgb(157, 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(157, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0480, 0.2448, 0.2332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 175, 255) }
```

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

```
.background{ background-color: rgb(157,  
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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