

Converting Colors

$Y_{xy}(47.7469, 0.2329, 0.2071)$

Have a look what the booklet for
Yxy(47.7469, 0.2329, 0.2071)
contains.

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Color

Yxy(45.5613, 0.2480, 0.2340)

Conversions

Conversions Part 1

Format	Color
Hex	A2AFFF
RGB	162, 175, 255
RGB Percent	64%, 69%, 100%
CMY	0.3645, 0.3138, 0.0000
CMYK	0.36, 0.31, 0.00, 0.00
HSL	232°, 100%, 82%
HSV	232°, 36%, 100%
XYZ	48.2872, 45.5613, 100.8579
YIQ	180.2330, -33.4280, 22.1240

Conversions

Conversions Part 2

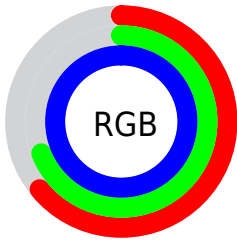
Format	Color
R_{YB}	162, 173, 255
Decimal	10661887
CIE _{Lab}	73.26, 14.22, -41.06
CIE _{LCh}	73, 43.458, 289.105
Yxy	45.5613, 0.2480, 0.2340
Android (android.graphics.Color)	4288851967 (0xFFA2AFFF)
YUV	180.2330, 36.8601, -15.9903
Hunter-Lab	67.4991, 9.5710, -41.3424

Details

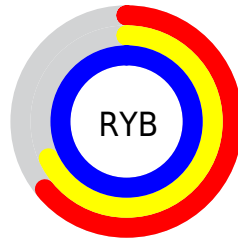
The Yxy color **45.5613, 0.2480, 0.2340** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **87.4094, 0.3720, 0.4088**, and the grayscale version is **45.5899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8737, 0.2903, 0.3030**, and **21.3689, 0.2310, 0.2115** is the 20% darker color. If you saturate the color by 10%, you get **35.2963, 0.2277, 0.2025**, and if you desaturate by 10%, it is **57.7596, 0.2677, 0.2637**.

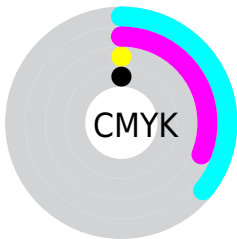
Distribution



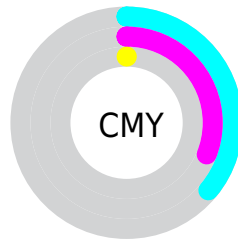
- Red (64%)
- Green (69%)
- Blue (100%)



- Red (64%)
- Yellow (68%)
- Blue (100%)



- Cyan (36%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5613, 0.2480, 0.2340 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 45.5613, 0.2480, 0.2340 by changing the saturation by 10% instead.


 45.5613, 0.2480,
0.2340


 45.5613, 0.2480,
0.2340


369.0421, 0.2799,
0.2788

 31.8998, 0.2404,
0.2238


 83.5621, 0.2594,
0.2496

 21.2850, 0.2308,
0.2112


 108.6701, 0.2637,
0.2556

 13.3325, 0.2185,
0.1954


138.3624, 0.2674,
0.2609

 7.6579, 0.2022,
0.1751

173.0234, 0.2706,
0.2654

 3.8768, 0.1800,
0.1487

213.0375, 0.2734,
0.2694

 1.6049, 0.1487,
0.1135

258.7890, 0.2758,

 0.3609, 0.1042,

0.2729

0.0545

310.6624, 0.2780,
0.2760

0.0000, 0.0000,
0.0000

45.5613, 0.2480,
0.2340

45.5613, 0.2480,
0.2340

35.2963, 0.2277,
0.2025

57.7596, 0.2677,
0.2637

26.8599, 0.2077,
0.1704

71.9791, 0.2860,
0.2908

20.1447, 0.1891,
0.1394

88.3080, 0.3028,
0.3149

15.0298, 0.1733,
0.1116

100.0000, 0.3127,
0.3290

11.3780, 0.1615,
0.0891

■ 9.0275, 0.1543,
0.0731

■ 8.4519, 0.1525,
0.0691

Harmonies

Analogous

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



45.5613, 0.2142, 0.2404



45.5613, 0.2480, 0.2340



45.5613, 0.3018, 0.2484

Triad

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



45.5613, 0.2480, 0.2340



45.5613, 0.4349, 0.3694



45.5613, 0.2577, 0.3859

Complementary

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



45.5613, 0.2480, 0.2340



87.4094, 0.3720, 0.4088

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.



45.5613, 0.3139, 0.4316



45.5613, 0.2480, 0.2340



45.5613, 0.4178, 0.4126

Square

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



45.5613, 0.2480, 0.2340



45.5613, 0.4153, 0.3223



45.5613, 0.3726, 0.4390



45.5613, 0.2188, 0.3229

Rectangle

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



45.5613, 0.2480, 0.2340



45.5613, 0.3437, 0.2676



45.5613, 0.3726, 0.4390



45.5613, 0.2752, 0.4045

Sweetspot

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



45.5629, 0.2480, 0.2340



80.6137, 0.2954, 0.3043



85.5608, 0.2680, 0.3445



16.7823, 0.2931, 0.3010



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.



45.5629, 0.2480, 0.2340



37.6397, 0.2327, 0.2103



44.6245, 0.2690, 0.2249



17.7855, 0.2979, 0.3079



4.5395, 0.1530, 0.0708



0.5600, 0.1575, 0.0869

Inverse Universe

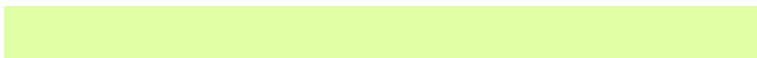
The Inverse Universe completely reimagines the original color for something new.



50.2128, 0.3891, 0.3156



43.3281, 0.4134, 0.3129



89.7339, 0.3455, 0.4273



18.0283, 0.3272, 0.3257



11.1862, 0.6220, 0.3200



1.1011, 0.5960, 0.3057

Previews

White Background



This preview shows how the Yxy color 45.5613, 0.2480, 0.2340 looks on a white background.

Color Contrast Check

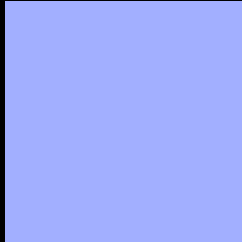
Large Text (above 18pt) WCAG AA × Fail

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 45.5613, 0.2480, 0.2340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

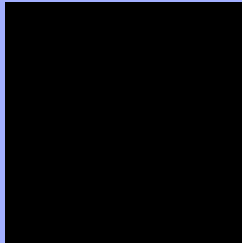
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5613, 0.2480, 0.2340

Background



This preview shows how black text looks on a background with the Yxy color 45.5613, 0.2480, 0.2340.



This preview shows how white text looks on a background with the Yxy color 45.5613, 0.2480, 0.2340.

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

45.5613, 0.2480, 0.2340

Protanopia

45.6328, 0.2440, 0.2354

Deuteranopia

45.6719, 0.2428, 0.2372



Tritanopia

45.6775, 0.2740, 0.3099

Trichromacy



Original Color

45.5613, 0.2480, 0.2340

Protanomaly

45.5398, 0.2456, 0.2346

Deuteranomaly

45.6680, 0.2451, 0.2365

Tritanomaly

45.4932, 0.2641, 0.2796

Monochromacy



Original Color

45.5613, 0.2480, 0.2340

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.2300, 0.2864, 0.2917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5613, 0.2480, 0.2340 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(162, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 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(162, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 175, 255) }
```

Border

The CSS property to change the border of an element to Yxy 45.5613, 0.2480, 0.2340 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(162, 175, 255) }
```

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

```
.border{ border-color:rgb(162, 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(162, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 175,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5613, 0.2480, 0.2340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 175, 255) }
```

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

```
.background{ background-color: rgb(162,  
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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