

Converting Colors

$Y_{xy}(45.1067, 0.2481, 0.2362)$

Have a look what the booklet for
Yxy(45.1067, 0.2481, 0.2362)
contains.

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Color

Yxy(45.1618, 0.2483, 0.2366)

Conversions

Conversions Part 1

Format	Color
Hex	A0AFFC
RGB	160, 175, 252
RGB Percent	63%, 69%, 99%
CMY	0.3726, 0.3137, 0.0117
CMYK	0.37, 0.31, 0.00, 0.01
HSL	230°, 94%, 81%
HSV	230°, 37%, 99%
XYZ	47.3951, 45.1618, 98.3214
YIQ	179.2930, -33.6570, 20.7670

Conversions

Conversions Part 2

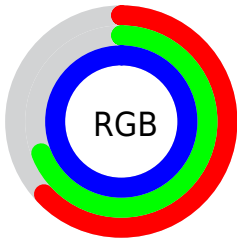
Format	Color
R _Y B	160, 173, 252
Decimal	10530812
CIE Lab	73.00, 12.88, -39.87
CIE LCh	73, 41.896, 287.903
Yxy	45.1618, 0.2483, 0.2366
Android (android.graphics.Color)	4288720892 (0xFFA0AFFC)
YUV	179.2930, 35.8446, -16.9200
Hunter-Lab	67.2025, 8.2840, -39.7031

Details

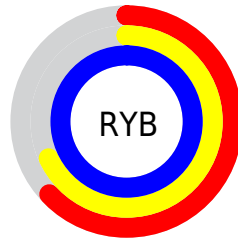
The Yxy color **45.1618, 0.2483, 0.2366** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **83.7906, 0.3728, 0.4069**, and the grayscale version is **45.0615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5653, 0.2890, 0.3029**, and **21.1093, 0.2314, 0.2146** is the 20% darker color. If you saturate the color by 10%, you get **35.2473, 0.2283, 0.2059**, and if you desaturate by 10%, it is **56.8876, 0.2677, 0.2654**.

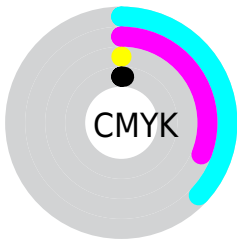
Distribution



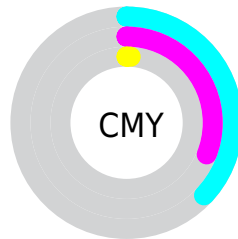
- Red (63%)
- Green (69%)
- Blue (99%)



- Red (63%)
- Yellow (68%)
- Blue (99%)



- Cyan (37%)
- Magenta (31%)
- Yellow (0%)
- Black (1%)



- Cyan (37%)
- Magenta (31%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1618, 0.2483, 0.2366 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 45.1618, 0.2483, 0.2366 by changing the saturation by 10% instead.

■ 45.1618, 0.2483,
0.2366

■ 45.1618, 0.2483,
0.2366

367.4285, 0.2801,
0.2804

■ 31.5849, 0.2407,
0.2265

■ 82.9632, 0.2596,
0.2519

■ 21.0446, 0.2311,
0.2141

■ 107.9564, 0.2640,
0.2578

■ 13.1566, 0.2188,
0.1985

137.5239, 0.2677,
0.2629

■ 7.5365, 0.2024,
0.1783

172.0499, 0.2708,
0.2673

■ 3.7998, 0.1801,
0.1518

211.9191, 0.2736,
0.2712

■ 1.5622, 0.1484,
0.1163

257.5156, 0.2760,

■ 0.3319, 0.1020,

0.2746

0.0538

309.2239, 0.2782,
0.2777

0.0000, 0.0000,
0.0000

45.1618, 0.2483,
0.2366

45.1618, 0.2483,
0.2366

35.2473, 0.2283,
0.2059

56.8876, 0.2677,
0.2654

27.0476, 0.2085,
0.1745

70.5043, 0.2860,
0.2917

20.4650, 0.1902,
0.1440

86.0930, 0.3027,
0.3152

15.3896, 0.1745,
0.1163

99.8089, 0.3144,
0.3319

11.6968, 0.1627,
0.0933

■ 9.2403, 0.1552,
0.0764

■ 8.6257, 0.1533,
0.0720

Harmonies

Analogous

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



45.1618, 0.2162, 0.2438



45.1618, 0.2483, 0.2366



45.1618, 0.2999, 0.2498

Triad

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



45.1618, 0.2483, 0.2366



45.1618, 0.4308, 0.3667



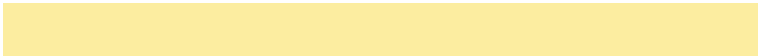
45.1618, 0.2615, 0.3861

Complementary

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



45.1618, 0.2483, 0.2366



83.7906, 0.3728, 0.4069

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.



45.1618, 0.3164, 0.4289



45.1618, 0.2483, 0.2366



45.1618, 0.4159, 0.4088

Square

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



45.1618, 0.2483, 0.2366



45.1618, 0.4104, 0.3210



45.1618, 0.3731, 0.4349



45.1618, 0.2227, 0.3257

Rectangle

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



45.1618, 0.2483, 0.2366



45.1618, 0.3403, 0.2682



45.1618, 0.3731, 0.4349



45.1618, 0.2786, 0.4038

Sweetspot

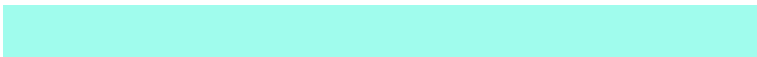
The Sweet Spot groups the original color and five complimentary colors.



45.1635, 0.2483, 0.2366



80.9923, 0.2954, 0.3050



83.1931, 0.2686, 0.3463



16.8718, 0.2931, 0.3018



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.



45.1635, 0.2483, 0.2366



38.5750, 0.2333, 0.2137



43.1946, 0.2678, 0.2244



17.1008, 0.2979, 0.3085



4.6316, 0.1539, 0.0740



0.5561, 0.1590, 0.0925

Inverse Universe

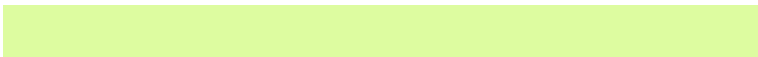
The Inverse Universe completely reimagines the original color for something new.



48.9267, 0.3870, 0.3132



43.4225, 0.4105, 0.3101



87.5883, 0.3466, 0.4271



17.2714, 0.3268, 0.3252



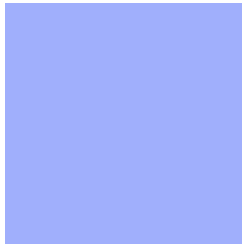
10.8785, 0.6167, 0.3171



1.0204, 0.5873, 0.3009

Previews

White Background



This preview shows how the Yxy color 45.1618, 0.2483, 0.2366 looks on a white background.

Color Contrast Check

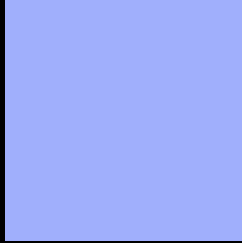
Large Text (above 18pt) WCAG AA × Fail

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 45.1618, 0.2483, 0.2366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

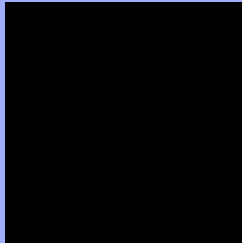
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1618, 0.2483, 0.2366

Background



This preview shows how black text looks on a background with the Yxy color 45.1618, 0.2483, 0.2366.



This preview shows how white text looks on a background with the Yxy color 45.1618, 0.2483, 0.2366.

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

45.1618, 0.2483, 0.2366

Protanopia

45.1111, 0.2448, 0.2361

Deuteranopia

45.2449, 0.2443, 0.2381



Tritanopia

45.1640, 0.2731, 0.3085

Trichromacy



Original Color

45.1618, 0.2483, 0.2366

Protanomaly

45.3106, 0.2461, 0.2364

Deuteranomaly

45.1469, 0.2460, 0.2372

Tritanomaly

44.8376, 0.2632, 0.2793

Monochromacy



Original Color

45.1618, 0.2483, 0.2366

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.0677, 0.2864, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1618, 0.2483, 0.2366 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(160, 175, 252)` looks like.

```
.text, #text, p{  
    color:rgb(160, 175, 252)  
}
```

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(160, 175, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 175, 252) }
```

Border

The CSS property to change the border of an element to Yxy 45.1618, 0.2483, 0.2366 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(160, 175, 252) }
```

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

```
.border{ border-color:rgb(160, 175, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 175, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 175, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 175, 252);  
box-shadow:4px 4px 4px 4px rgb(160, 175,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1618, 0.2483, 0.2366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 175, 252) }
```

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

```
.background{ background-color: rgb(160,  
175, 252) }
```

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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