

Converting Colors

$Yxy(38.8674, 0.2653, 0.2432)$

Have a look what the booklet for
Yxy(38.8674, 0.2653, 0.2432)
contains.

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Color

Yxy(38.9585, 0.2654, 0.2433)

Conversions

Conversions Part 1

Format	Color
Hex	A7A0E4
RGB	167, 160, 228
RGB Percent	65%, 63%, 89%
CMY	0.3454, 0.3724, 0.1059
CMYK	0.27, 0.30, 0.00, 0.11
HSL	246°, 56%, 76%
HSV	246°, 30%, 89%
XYZ	42.4973, 38.9585, 78.6696
YIQ	169.8450, -17.6560, 22.6320

Conversions

Conversions Part 2

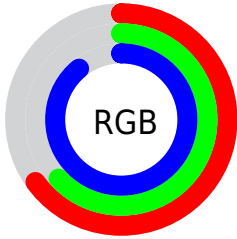
Format	Color
R _Y B	167, 160, 228
Decimal	10985700
CIE Lab	68.72, 17.16, -33.39
CIE LCh	69, 37.544, 297.194
Yxy	38.9585, 0.2654, 0.2433
Android (android.graphics.Color)	4289175780 (0xFFA7A0E4)
YUV	169.8450, 28.6704, -2.4951
Hunter-Lab	62.4167, 12.3048, -31.0369

Details

The Yxy color **38.9585, 0.2654, 0.2433** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **73.4061, 0.3524, 0.4046**, and the grayscale version is **39.9747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5089, 0.2925, 0.2873**, and **17.4265, 0.2513, 0.2220** is the 20% darker color. If you saturate the color by 10%, you get **29.7092, 0.2460, 0.2094**, and if you desaturate by 10%, it is **50.0137, 0.2832, 0.2750**.

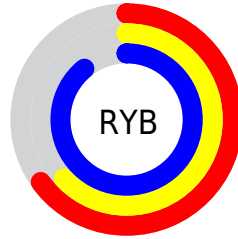
Distribution



Red (65%)

Green (63%)

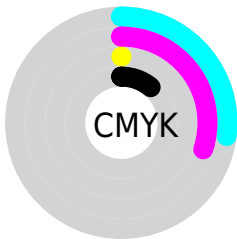
Blue (89%)



Red (65%)

Yellow (63%)

Blue (89%)

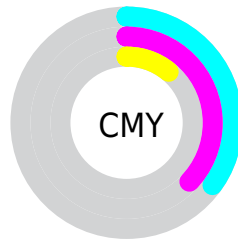


Cyan (27%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (35%)

Magenta (37%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9585, 0.2654, 0.2433 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 38.9585, 0.2654, 0.2433 by changing the saturation by 10% instead.

■ 38.9585, 0.2654,
0.2433

■ 38.9585, 0.2654,
0.2433

■ 341.7140, 0.2898,
0.2849

■ 26.7274, 0.2592,
0.2334

■ 73.5749, 0.2744,
0.2581

■ 17.3686, 0.2512,
0.2210

■ 96.7291, 0.2777,
0.2637

■ 10.4977, 0.2406,
0.2051

■ 124.2930, 0.2805,
0.2686

■ 5.7302, 0.2260,
0.1841

■ 156.6512, 0.2829,
0.2727

■ 2.6817, 0.2046,
0.1555

■ 194.1880, 0.2850,
0.2764

■ 0.9679, 0.1717,
0.1154

■ 237.2878, 0.2868,

■ 0.0000, 0.0933,

0.2796

0.0000

286.3350, 0.2884,
0.2824

■ 0.0000, 0.0000,
0.0000

■ 38.9585, 0.2654,
0.2433

■ 38.9585, 0.2654,
0.2433

■ 29.7092, 0.2460,
0.2094

■ 50.0137, 0.2832,
0.2750

■ 22.1653, 0.2257,
0.1745

■ 62.9590, 0.2991,
0.3039

■ 16.2234, 0.2056,
0.1409

■ 77.8787, 0.3130,
0.3295

■ 11.7672, 0.1870,
0.1108

■ 94.8510, 0.3250,
0.3519

■ 8.6644, 0.1714,
0.0867

■ 98.3808, 0.3286,
0.3552

■ 6.7588, 0.1599,
0.0704

■ 5.7988, 0.1530,
0.0617

■ 5.7846, 0.1529,
0.0616

Harmonies

Analogous

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



38.9585, 0.2285, 0.2441



38.9585, 0.2654, 0.2433



38.9585, 0.3183, 0.2612

Triad

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



38.9585, 0.2654, 0.2433



38.9585, 0.4231, 0.3784



38.9585, 0.2511, 0.3656

Complementary

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



38.9585, 0.2654, 0.2433



73.4061, 0.3524, 0.4046

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.



38.9585, 0.2996, 0.4134



38.9585, 0.2654, 0.2433



38.9585, 0.4000, 0.4146

Square

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



38.9585, 0.2654, 0.2433



38.9585, 0.4141, 0.3351



38.9585, 0.3542, 0.4306



38.9585, 0.2205, 0.3094

Rectangle

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



38.9585, 0.2654, 0.2433



38.9585, 0.3564, 0.2816



38.9585, 0.3542, 0.4306



38.9585, 0.2657, 0.3838

Sweetspot

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



38.9600, 0.2654, 0.2433



82.5180, 0.3002, 0.3059



64.8920, 0.2689, 0.3207



17.0998, 0.2980, 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.



38.9600, 0.2654, 0.2433



42.3146, 0.2531, 0.2217



43.1431, 0.2929, 0.2497



13.9568, 0.2996, 0.3048



3.3642, 0.1536, 0.0620



0.2724, 0.1622, 0.0667

Inverse Universe

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



46.8693, 0.3220, 0.2619



54.1599, 0.3244, 0.2476



68.6112, 0.3274, 0.4111



14.5887, 0.3153, 0.3082



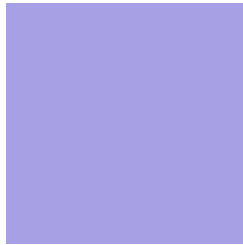
12.0758, 0.3482, 0.1692



0.8997, 0.3437, 0.1667

Previews

White Background



This preview shows how the Yxy color 38.9585, 0.2654, 0.2433 looks on a white background.

Color Contrast Check

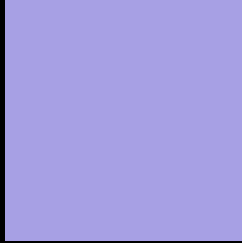
Large Text (above 18pt) WCAG AA × Fail

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 38.9585, 0.2654, 0.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

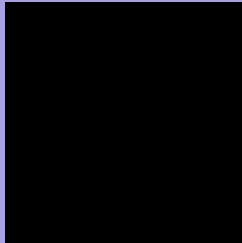
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9585, 0.2654, 0.2433

Background



This preview shows how black text looks on a background with the Yxy color 38.9585, 0.2654, 0.2433.



This preview shows how white text looks on a background with the Yxy color 38.9585, 0.2654, 0.2433.

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

38.9585, 0.2654, 0.2433

Protanopia

39.0324, 0.2499, 0.2424

Deuteranopia

38.9403, 0.2542, 0.2481



Tritanopia

39.0224, 0.2924, 0.3107

Trichromacy



Original Color

38.9585, 0.2654, 0.2433

Protanomaly

38.9325, 0.2550, 0.2419

Deuteranomaly

38.8084, 0.2582, 0.2464

Tritanomaly

38.9730, 0.2818, 0.2842

Monochromacy



Original Color

38.9585, 0.2654, 0.2433

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.4690, 0.2947, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9585, 0.2654, 0.2433 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(167, 160, 228)` looks like.

```
.text, #text, p{  
    color:rgb(167, 160, 228)  
}
```

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(167, 160, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 160, 228) }
```

Border

The CSS property to change the border of an element to Yxy 38.9585, 0.2654, 0.2433 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(167, 160, 228) }
```

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

```
.border{ border-color:rgb(167, 160, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 160, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 160, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 160, 228);  
box-shadow:4px 4px 4px 4px rgb(167, 160,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9585, 0.2654, 0.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 160, 228) }
```

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

```
.background{ background-color: rgb(167,  
160, 228) }
```

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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