

Converting Colors

$Y_{xy}(43.9129, 0.2547, 0.2531)$

Have a look what the booklet for
Yxy(43.9129, 0.2547, 0.2531)
contains.

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Color

Yxy(43.7840, 0.2547, 0.2524)

Conversions

Conversions Part 1

Format	Color
Hex	9CAFEC
RGB	156, 175, 236
RGB Percent	61%, 69%, 93%
CMY	0.3883, 0.3137, 0.0744
CMYK	0.34, 0.26, 0.00, 0.07
HSL	226°, 68%, 77%
HSV	226°, 34%, 93%
XYZ	44.1830, 43.7840, 85.5037
YIQ	176.2730, -30.9050, 14.9430

Conversions

Conversions Part 2

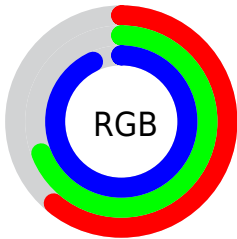
Format	Color
R _Y B	156, 171, 236
Decimal	10268652
CIE Lab	72.08, 7.65, -32.65
CIE LCh	72, 33.534, 283.192
Yxy	43.7840, 0.2547, 0.2524
Android (android.graphics.Color)	4288458732 (0xFF9CAFEC)
YUV	176.2730, 29.4454, -17.7794
Hunter-Lab	66.1695, 3.3922, -30.2955

Details

The Yxy color **43.7840, 0.2547, 0.2524** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.8779, 0.3701, 0.3953**, and the grayscale version is **43.4222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8107, 0.2859, 0.3027**, and **20.2860, 0.2389, 0.2329** is the 20% darker color. If you saturate the color by 10%, you get **35.1100, 0.2356, 0.2249**, and if you desaturate by 10%, it is **53.8527, 0.2732, 0.2779**.

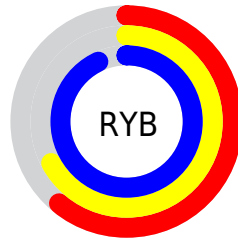
Distribution



Red (61%)

Green (69%)

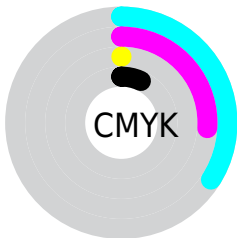
Blue (93%)



Red (61%)

Yellow (67%)

Blue (93%)

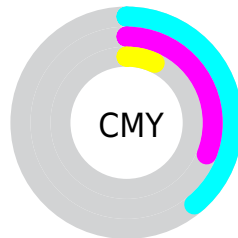


Cyan (34%)

Magenta (26%)

Yellow (0%)

Black (7%)



Cyan (39%)

Magenta (31%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7840, 0.2547, 0.2524 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 43.7840, 0.2547, 0.2524 by changing the saturation by 10% instead.

■ 43.7840, 0.2547,
0.2524

■ 43.7840, 0.2547,
0.2524

361.8261, 0.2835,
0.2896

■ 30.5007, 0.2477,
0.2436

■ 80.8926, 0.2651,
0.2656

■ 20.2190, 0.2388,
0.2325

■ 105.4868, 0.2690,
0.2706

■ 12.5543, 0.2272,
0.2184

134.6200, 0.2723,
0.2749

■ 7.1224, 0.2116,
0.1997

168.6767, 0.2752,
0.2787

■ 3.5387, 0.1897,
0.1741

208.0412, 0.2777,
0.2819

■ 1.4190, 0.1575,
0.1379

253.0981, 0.2799,

■ 0.2307, 0.0972,

0.2848

0.0552

304.2316, 0.2818,
0.2873

0.0000, 0.0000,
0.0000

43.7840, 0.2547,
0.2524

43.7840, 0.2547,
0.2524

35.1100, 0.2356,
0.2249

53.8527, 0.2732,
0.2779

27.7623, 0.2166,
0.1961

65.3700, 0.2907,
0.3010

21.6742, 0.1986,
0.1672

78.3934, 0.3068,
0.3216

16.7707, 0.1827,
0.1395

92.9753, 0.3215,
0.3398

12.9682, 0.1698,
0.1147

98.8380, 0.3238,
0.3473

■ 10.1701, 0.1606,
0.0942

■ 8.8913, 0.1567,
0.0841

Harmonies

Analogous

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



43.7840, 0.2305, 0.2621



43.7840, 0.2547, 0.2524



43.7840, 0.2954, 0.2606

Triad

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



43.7840, 0.2547, 0.2524



43.7840, 0.4076, 0.3556



43.7840, 0.2781, 0.3813

Complementary

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



43.7840, 0.2547, 0.2524



69.8779, 0.3701, 0.3953

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.



43.7840, 0.3242, 0.4113



43.7840, 0.2547, 0.2524



43.7840, 0.4006, 0.3907

Square

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



43.7840, 0.2547, 0.2524



43.7840, 0.3865, 0.3175



43.7840, 0.3693, 0.4131



43.7840, 0.2429, 0.3347

Rectangle

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



43.7840, 0.2547, 0.2524



43.7840, 0.3278, 0.2746



43.7840, 0.3693, 0.4131



43.7840, 0.2928, 0.3940

Sweetspot

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



43.7857, 0.2547, 0.2524



83.6956, 0.2971, 0.3093



72.0363, 0.2750, 0.3530



17.4556, 0.2948, 0.3063



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.



43.7857, 0.2547, 0.2524



44.5148, 0.2409, 0.2326



39.0636, 0.2666, 0.2318



15.1296, 0.2980, 0.3105



5.0655, 0.1574, 0.0866



0.5428, 0.1645, 0.1122

Inverse Universe

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



44.7087, 0.3733, 0.3078



46.3226, 0.3926, 0.3032



77.0125, 0.3491, 0.4179



15.1127, 0.3256, 0.3234



10.0042, 0.5965, 0.3060



0.8002, 0.5578, 0.2846

Previews

White Background



This preview shows how the Yxy color 43.7840, 0.2547, 0.2524 looks on a white background.

Color Contrast Check

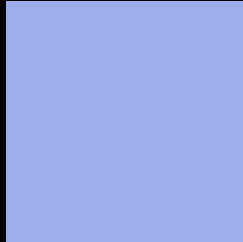
Large Text (above 18pt) WCAG AA × Fail

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 43.7840, 0.2547, 0.2524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

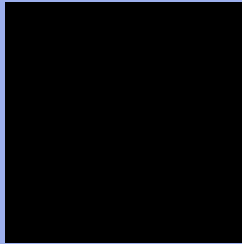
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7840, 0.2547, 0.2524

Background



This preview shows how black text looks on a background with the Yxy color 43.7840, 0.2547, 0.2524.



This preview shows how white text looks on a background with the Yxy color 43.7840, 0.2547, 0.2524.

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

43.7840, 0.2547, 0.2524

Protanopia

43.6412, 0.2572, 0.2526

Deuteranopia

43.8018, 0.2573, 0.2517



Tritanopia

43.6902, 0.2740, 0.3082

Trichromacy



Original Color

43.7840, 0.2547, 0.2524

Protanomaly

43.5394, 0.2565, 0.2525

Deuteranomaly

43.6992, 0.2566, 0.2516

Tritanomaly

43.4274, 0.2666, 0.2862

Monochromacy



Original Color

43.7840, 0.2547, 0.2524

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.5629, 0.2897, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7840, 0.2547, 0.2524 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(156, 175, 236)` looks like.

```
.text, #text, p{  
    color:rgb(156, 175, 236)  
}
```

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(156, 175, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 175, 236) }
```

Border

The CSS property to change the border of an element to Yxy 43.7840, 0.2547, 0.2524 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(156, 175, 236) }
```

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

```
.border{ border-color:rgb(156, 175, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 175, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 175, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 175, 236); box-shadow:4px 4px 4px 4px rgb(156, 175, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7840, 0.2547, 0.2524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 175, 236) }
```

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

```
.background{ background-color: rgb(156,  
175, 236) }
```

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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