

Converting Colors

$Y_{xy}(40.5172, 0.2443, 0.2337)$

Have a look what the booklet for
Yxy(40.5172, 0.2443, 0.2337)
contains.

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Color

Yxy(40.4981, 0.2447, 0.2337)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 95A7F3 |
| RGB | 149, 167, 243 |
| RGB Percent | 58%, 65%, 95% |
| CMY | 0.4153, 0.3452, 0.0470 |
| CMYK | 0.39, 0.31, 0.00, 0.05 |
| HSL | 229°, 80%, 77% |
| HSV | 229°, 39%, 95% |
| XYZ | 42.4043, 40.4981, 90.3886 |
| YIQ | 170.2820, -35.1240, 19.8200 |

Conversions

Conversions Part 2

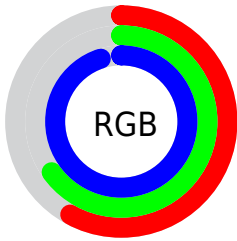
| Format | Color |
|-------------------------------------|--|
| RYB | 149, 164, 243 |
| Decimal | 9807859 |
| CIELab | 69.82, 12.13, -40.00 |
| CIELCh | 70, 41.795, 286.871 |
| Yxy | 40.4981, 0.2447, 0.2337 |
| Android (android.graphics.Color) | 4287997939 (0xFF95A7F3) |
| YUV | 170.2820, 35.8500, -18.6643 |
| Hunter-Lab | 63.6381, 7.5741, -39.6660 |

Details

The Yxy color **40.4981, 0.2447, 0.2337** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **75.1500, 0.3773, 0.4088**, and the grayscale version is **40.1852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5844, 0.2817, 0.2937**, and **18.1863, 0.2261, 0.2097** is the 20% darker color. If you saturate the color by 10%, you get **31.7786, 0.2250, 0.2038**, and if you desaturate by 10%, it is **50.7940, 0.2640, 0.2620**.

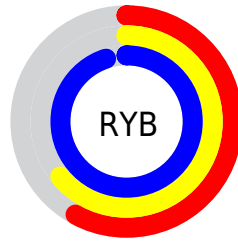
Distribution



Red (58%)

Green (65%)

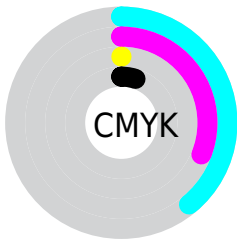
Blue (95%)



Red (58%)

Yellow (64%)

Blue (95%)

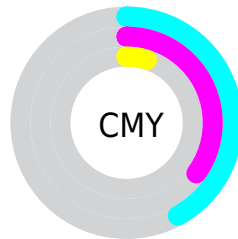


Cyan (39%)

Magenta (31%)

Yellow (0%)

Black (5%)



Cyan (42%)


Magenta (35%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4981, 0.2447, 0.2337 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 40.4981, 0.2447, 0.2337 by changing the saturation by 10% instead.


 40.4981, 0.2447,
0.2337


 40.4981, 0.2447,
0.2337


348.2185, 0.2788,
0.2796

 27.9271, 0.2364,
0.2229


 75.9214, 0.2570,
0.2499

 18.2707, 0.2259,
0.2096


 99.5425, 0.2616,
0.2561

 11.1445, 0.2122,
0.1927


127.6158, 0.2656,
0.2615

 6.1641, 0.1940,
0.1707

160.5256, 0.2690,
0.2661

 2.9451, 0.1689,
0.1416

198.6565, 0.2719,
0.2701

 1.1032, 0.1330,
0.1026

242.3926, 0.2745,

 0.0000, 0.0627,

0.2737

0.0000

292.1185, 0.2767,
0.2768

0.0000, 0.0000,
0.0000

40.4981, 0.2447,
0.2337

40.4981, 0.2447,
0.2337

31.7786, 0.2250,
0.2038

50.7940, 0.2640,
0.2620

24.5517, 0.2058,
0.1732

62.7354, 0.2824,
0.2878

18.7326, 0.1881,
0.1437

76.3926, 0.2993,
0.3111

14.2254, 0.1733,
0.1168

91.8304, 0.3147,
0.3316

10.9218, 0.1622,
0.0945

99.2521, 0.3197,
0.3405

■ 8.6848, 0.1552,
0.0778

■ 8.4483, 0.1545,
0.0760

Harmonies

Analogous

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



40.4981, 0.2125, 0.2418



40.4981, 0.2447, 0.2337



40.4981, 0.2973, 0.2466

Triad

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



40.4981, 0.2447, 0.2337



40.4981, 0.4348, 0.3659



40.4981, 0.2615, 0.3903

Complementary

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



40.4981, 0.2447, 0.2337



75.1500, 0.3773, 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.



40.4981, 0.3184, 0.4336



40.4981, 0.2447, 0.2337



40.4981, 0.4202, 0.4098

Square

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



40.4981, 0.2447, 0.2337



40.4981, 0.4124, 0.3189



40.4981, 0.3767, 0.4380



40.4981, 0.2208, 0.3275

Rectangle

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



40.4981, 0.2447, 0.2337



40.4981, 0.3390, 0.2651



40.4981, 0.3767, 0.4380



40.4981, 0.2793, 0.4083

Sweetspot

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



40.4996, 0.2447, 0.2337



79.8519, 0.2937, 0.3035



75.9036, 0.2681, 0.3512



16.6593, 0.2915, 0.3005



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.



40.4996, 0.2447, 0.2337



37.7534, 0.2300, 0.2115



37.3739, 0.2622, 0.2171



16.4374, 0.2979, 0.3092



4.7805, 0.1550, 0.0781



0.5554, 0.1609, 0.0991

Inverse Universe

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



43.3701, 0.3904, 0.3095



41.8905, 0.4137, 0.3060



80.7067, 0.3505, 0.4321



16.5341, 0.3264, 0.3245



10.5820, 0.6101, 0.3134



0.9437, 0.5773, 0.2954

Previews

White Background



This preview shows how the Yxy color 40.4981, 0.2447, 0.2337 looks on a white background.

Color Contrast Check

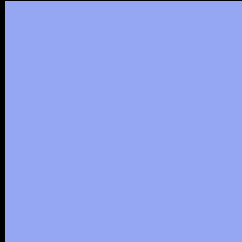
Large Text (above 18pt) WCAG AA × Fail

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 40.4981, 0.2447, 0.2337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

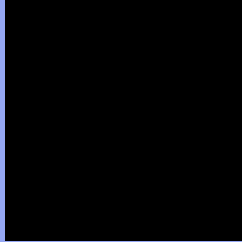
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4981, 0.2447, 0.2337

Background



This preview shows how black text looks on a background with the Yxy color 40.4981, 0.2447, 0.2337.



This preview shows how white text looks on a background with the Yxy color 40.4981, 0.2447, 0.2337.

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

40.4981, 0.2447, 0.2337

Protanopia

40.6479, 0.2424, 0.2335

Deuteranopia

40.6866, 0.2412, 0.2354



Tritanopia

40.4401, 0.2694, 0.3088

Trichromacy



Original Color

40.4981, 0.2447, 0.2337

Protanomaly

40.7400, 0.2430, 0.2337

Deuteranomaly

40.4961, 0.2423, 0.2344

Tritanomaly

40.2030, 0.2599, 0.2782

Monochromacy



Original Color

40.4981, 0.2447, 0.2337

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.0885, 0.2843, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4981, 0.2447, 0.2337 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(149, 167, 243)` looks like.

```
.text, #text, p{  
    color:rgb(149, 167, 243)  
}
```

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(149, 167, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 167, 243) }
```

Border

The CSS property to change the border of an element to Yxy 40.4981, 0.2447, 0.2337 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(149, 167, 243) }
```

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

```
.border{ border-color:rgb(149, 167, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 167, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 167, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 167, 243);  
box-shadow:4px 4px 4px 4px rgb(149, 167,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4981, 0.2447, 0.2337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 167, 243) }
```

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

```
.background{ background-color: rgb(149,  
167, 243) }
```

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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