

Converting Colors

$Y_{xy}(47.4073, 0.2437, 0.2412)$

Have a look what the booklet for
Yxy(47.4073, 0.2437, 0.2412)
contains.

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Color

Yxy(47.4482, 0.2437, 0.2413)

Conversions

Conversions Part 1

Format	Color
Hex	99B6FF
RGB	153, 182, 255
RGB Percent	60%, 71%, 100%
CMY	0.3999, 0.2863, 0.0000
CMYK	0.40, 0.29, 0.00, 0.00
HSL	223°, 100%, 80%
HSV	223°, 40%, 100%
XYZ	47.9201, 47.4482, 101.2674
YIQ	181.6510, -40.7170, 16.5550

Conversions

Conversions Part 2

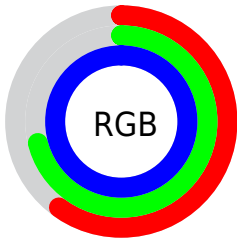
Format	Color
RYB	153, 176, 255
Decimal	10073855
CIELab	74.48, 7.97, -39.23
CIElCh	74, 40.033, 281.484
Yxy	47.4482, 0.2437, 0.2413
Android (android.graphics.Color)	4288263935 (0xFF99B6FF)
YUV	181.6510, 36.1611, -25.1269
Hunter-Lab	68.8827, 3.6338, -38.9470

Details

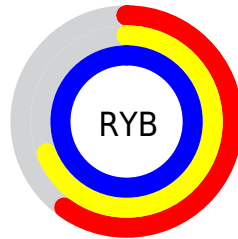
The Yxy color **47.4482, 0.2437, 0.2413** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.9623, 0.3835, 0.4030**, and the grayscale version is **46.3965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0707, 0.2851, 0.3112**, and **22.3191, 0.2256, 0.2192** is the 20% darker color. If you saturate the color by 10%, you get **38.2304, 0.2251, 0.2145**, and if you desaturate by 10%, it is **58.1700, 0.2623, 0.2666**.

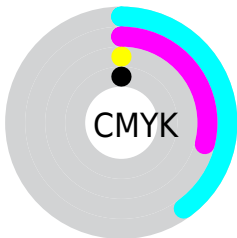
Distribution



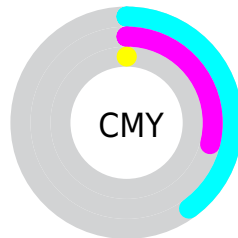
- Red (60%)
- Green (71%)
- Blue (100%)



- Red (60%)
- Yellow (69%)
- Blue (100%)



- Cyan (40%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4482, 0.2437, 0.2413 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 47.4482, 0.2437, 0.2413 by changing the saturation by 10% instead.


 47.4482, 0.2437,
0.2413


 47.4482, 0.2437,
0.2413


376.6007, 0.2772,
0.2829

 33.3901, 0.2358,
0.2317


 86.3823, 0.2556,
0.2558

 22.4255, 0.2259,
0.2199


 112.0270, 0.2601,
0.2615

 14.1699, 0.2132,
0.2050


142.3028, 0.2640,
0.2663

 8.2389, 0.1967,
0.1857

177.5940, 0.2674,
0.2705

 4.2482, 0.1742,
0.1603

218.2850, 0.2703,
0.2742

 1.8133, 0.1429,
0.1260

264.7602, 0.2729,


 0.4955, 0.0979,


0.2774


0.0729


317.4040, 0.2752,
0.2803

 0.0000, 0.0000,
0.0000


 47.4482, 0.2437,
0.2413


 47.4482, 0.2437,
0.2413

 38.2304, 0.2251,
0.2145

 58.1700, 0.2623,
0.2666


 30.4462, 0.2071,
0.1869


 70.4632, 0.2802,
0.2897

 24.0174, 0.1907,
0.1596

 84.3897, 0.2971,
0.3105

 18.8577, 0.1769,
0.1341

 100.0000, 0.3127,
0.3290

 14.8692, 0.1663,
0.1115

■ 11.9166, 0.1592,
0.0930

■ 11.9153, 0.1592,
0.0930

Harmonies

Analogous

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



47.4482, 0.2177, 0.2529



47.4482, 0.2437, 0.2413



47.4482, 0.2892, 0.2498

Triad

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



47.4482, 0.2437, 0.2413



47.4482, 0.4225, 0.3559



47.4482, 0.2749, 0.3933

Complementary

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



47.4482, 0.2437, 0.2413



77.9623, 0.3835, 0.4030

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.



47.4482, 0.3284, 0.4268



47.4482, 0.2437, 0.2413



47.4482, 0.4156, 0.3971

Square

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



47.4482, 0.2437, 0.2413



47.4482, 0.3963, 0.3127



47.4482, 0.3802, 0.4255



47.4482, 0.2339, 0.3383

Rectangle

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



47.4482, 0.2437, 0.2413



47.4482, 0.3265, 0.2651



47.4482, 0.3802, 0.4255



47.4482, 0.2920, 0.4079

Sweetspot

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



47.4479, 0.2437, 0.2413



81.4635, 0.2938, 0.3065



83.6973, 0.2716, 0.3642



17.0363, 0.2916, 0.3039



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.



47.4479, 0.2437, 0.2413



39.9524, 0.2288, 0.2200



38.9378, 0.2523, 0.2101



18.2183, 0.2979, 0.3115



6.4436, 0.1599, 0.0957



0.8037, 0.1659, 0.1174

Inverse Universe

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



47.4240, 0.3849, 0.2988



40.7300, 0.4073, 0.2932



91.4149, 0.3587, 0.4335



18.0719, 0.3249, 0.3223



11.3785, 0.5824, 0.2982



1.1257, 0.5504, 0.2806

Previews

White Background



This preview shows how the Yxy color 47.4482, 0.2437, 0.2413 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 47.4482, 0.2437, 0.2413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

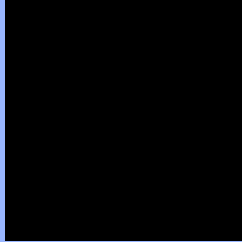
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

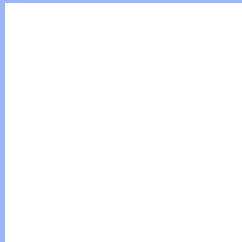
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.4482, 0.2437, 0.2413

Background



This preview shows how black text looks on a background with the Yxy color 47.4482, 0.2437, 0.2413.



This preview shows how white text looks on a background with the Yxy color 47.4482, 0.2437, 0.2413.

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

47.4482, 0.2437, 0.2413

Protanopia

47.3753, 0.2488, 0.2410

Deuteranopia

47.5368, 0.2465, 0.2408



Tritanopia

47.4293, 0.2649, 0.3073

Trichromacy



Original Color

47.4482, 0.2437, 0.2413

Protanomaly

47.4726, 0.2471, 0.2418

Deuteranomaly

47.3357, 0.2453, 0.2405

Tritanomaly

47.3680, 0.2568, 0.2822

Monochromacy



Original Color

47.4482, 0.2437, 0.2413

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.7173, 0.2837, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4482, 0.2437, 0.2413 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(153, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 182, 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(153, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 47.4482, 0.2437, 0.2413 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(153, 182, 255) }
```

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

```
.border{ border-color:rgb(153, 182, 255) }
```

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

Here you see how a box with a 4 pixel rgb(153, 182, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 182,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4482, 0.2437, 0.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 182, 255) }
```

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

```
.background{ background-color: rgb(153,  
182, 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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