

Converting Colors

$Y_{xy}(50.1320, 0.2450, 0.2493)$

Have a look what the booklet for
Yxy(50.1320, 0.2450, 0.2493)
contains.

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Color

Yxy(49.9587, 0.2449, 0.2488)

Conversions

Conversions Part 1

Format	Color
Hex	99BCFF
RGB	153, 188, 255
RGB Percent	60%, 74%, 100%
CMY	0.3999, 0.2628, 0.0000
CMYK	0.40, 0.26, 0.00, 0.00
HSL	219°, 100%, 80%
HSV	219°, 40%, 100%
XYZ	49.1756, 49.9587, 101.6643
YIQ	185.1730, -42.3670, 13.4170

Conversions

Conversions Part 2

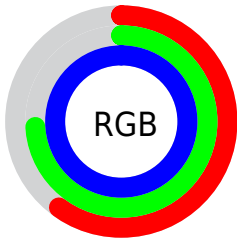
Format	Color
RYB	153, 179, 255
Decimal	10075391
CIELab	76.04, 4.66, -36.78
CIELCh	76, 37.076, 277.214
Yxy	49.9587, 0.2449, 0.2488
Android (android.graphics.Color)	4288265471 (0xFF99BCFF)
YUV	185.1730, 34.4247, -28.2157
Hunter-Lab	70.6815, 0.4962, -35.8025

Details

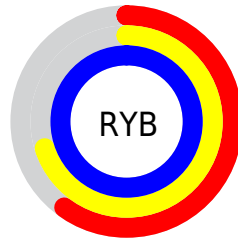
The Yxy color **49.9587, 0.2449, 0.2488** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **74.7704, 0.3859, 0.3974**, and the grayscale version is **48.4437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6230, 0.2854, 0.3175**, and **23.9465, 0.2276, 0.2291** is the 20% darker color. If you saturate the color by 10%, you get **40.9889, 0.2270, 0.2242**, and if you desaturate by 10%, it is **60.2929, 0.2629, 0.2719**.

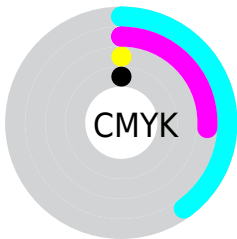
Distribution



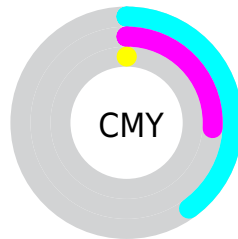
- Red (60%)
- Green (74%)
- Blue (100%)



- Red (60%)
- Yellow (70%)
- Blue (100%)



- Cyan (40%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9587, 0.2449, 0.2488 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 49.9587, 0.2449, 0.2488 by changing the saturation by 10% instead.


 49.9587, 0.2449,
0.2488

 49.9587, 0.2449,
0.2488


386.5044, 0.2776,
0.2869

 35.3806, 0.2372,
0.2400


 90.1137, 0.2564,
0.2621

 23.9562, 0.2277,
0.2291


 116.4593, 0.2608,
0.2673

 15.3011, 0.2156,
0.2154


147.4963, 0.2646,
0.2717

 9.0310, 0.1997,
0.1975

183.6089, 0.2679,
0.2755

 4.7614, 0.1782,
0.1738

225.1817, 0.2708,
0.2789

 2.1080, 0.1482,
0.1412

272.5989, 0.2733,

 0.6691, 0.1054,

0.2819

0.0941

326.2450, 0.2756,
0.2845

0.0000, 0.0000,
0.0000

49.9587, 0.2449,
0.2488

49.9587, 0.2449,
0.2488

40.9889, 0.2270,
0.2242

60.2929, 0.2629,
0.2719

33.3167, 0.2097,
0.1987

72.0452, 0.2804,
0.2930

26.8758, 0.1941,
0.1732

85.2715, 0.2971,
0.3121

21.5908, 0.1807,
0.1487

100.0000, 0.3127,
0.3290

17.3758, 0.1704,
0.1263

■ 14.1096, 0.1631,
0.1071

■ 14.1053, 0.1631,
0.1070

Harmonies

Analogous

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



49.9587, 0.2236, 0.2628



49.9587, 0.2449, 0.2488



49.9587, 0.2847, 0.2540

Triad

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



49.9587, 0.2449, 0.2488



49.9587, 0.4110, 0.3486



49.9587, 0.2851, 0.3930

Complementary

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



49.9587, 0.2449, 0.2488



74.7704, 0.3859, 0.3974

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.



49.9587, 0.3346, 0.4192



49.9587, 0.2449, 0.2488



49.9587, 0.4093, 0.3871

Square

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



49.9587, 0.2449, 0.2488



49.9587, 0.3832, 0.3090



49.9587, 0.3805, 0.4148



49.9587, 0.2450, 0.3451

Rectangle

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



49.9587, 0.2449, 0.2488



49.9587, 0.3181, 0.2667



49.9587, 0.3805, 0.4148



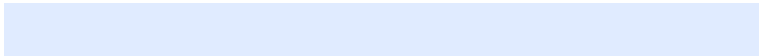
49.9587, 0.3011, 0.4050

Sweetspot

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



49.9601, 0.2449, 0.2488



82.4855, 0.2938, 0.3084



83.4270, 0.2741, 0.3704



17.2757, 0.2917, 0.3060



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.



49.9601, 0.2449, 0.2488



42.6644, 0.2305, 0.2292



38.3762, 0.2487, 0.2090



18.3958, 0.2979, 0.3129



7.6187, 0.1639, 0.1100



0.9357, 0.1701, 0.1324

Inverse Universe

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



47.6855, 0.3788, 0.2927



41.0038, 0.3991, 0.2857



92.2950, 0.3622, 0.4322



18.0899, 0.3240, 0.3209



11.4971, 0.5611, 0.2864



1.1390, 0.5294, 0.2690

Previews

White Background



This preview shows how the Yxy color 49.9587, 0.2449, 0.2488 looks on a white background.

Color Contrast Check

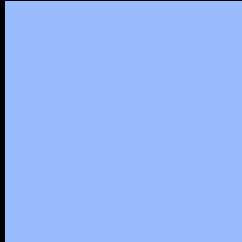
Large Text (above 18pt) WCAG AA × Fail

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 49.9587, 0.2449, 0.2488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

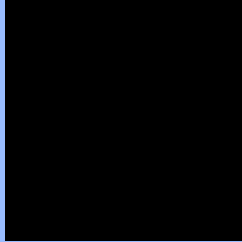
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

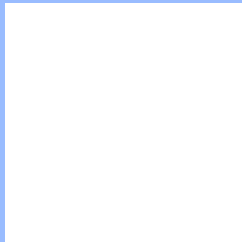
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9587, 0.2449, 0.2488

Background



This preview shows how black text looks on a background with the Yxy color 49.9587, 0.2449, 0.2488.



This preview shows how white text looks on a background with the Yxy color 49.9587, 0.2449, 0.2488.

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

49.9587, 0.2449, 0.2488

Protanopia

50.0510, 0.2551, 0.2500

Deuteranopia

50.0249, 0.2522, 0.2468



Tritanopia

49.9841, 0.2633, 0.3077

Trichromacy



Original Color

49.9587, 0.2449, 0.2488

Protanomaly

49.9962, 0.2516, 0.2496

Deuteranomaly

49.9149, 0.2493, 0.2473

Tritanomaly

49.8524, 0.2561, 0.2842

Monochromacy



Original Color

49.9587, 0.2449, 0.2488

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.6552, 0.2848, 0.2985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9587, 0.2449, 0.2488 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, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 188, 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, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 188, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.9587, 0.2449, 0.2488 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, 188, 255) }
```

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

```
.border{ border-color:rgb(153, 188, 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, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 188,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9587, 0.2449, 0.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 188, 255) }
```

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

```
.background{ background-color: rgb(153,  
188, 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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