

Converting Colors

$Yxy(49.4148, 0.2486, 0.2395)$

Have a look what the booklet for
Yxy(49.4148, 0.2486, 0.2395)
contains.

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Color

Yxy(49.0863, 0.2512, 0.2442)

Conversions

Conversions Part 1

Format	Color
Hex	A5B7FF
RGB	165, 183, 255
RGB Percent	65%, 72%, 100%
CMY	0.3531, 0.2823, 0.0000
CMYK	0.35, 0.28, 0.00, 0.00
HSL	228°, 100%, 82%
HSV	228°, 35%, 100%
XYZ	50.4934, 49.0863, 101.4289
YIQ	185.8260, -33.8400, 18.5760

Conversions

Conversions Part 2

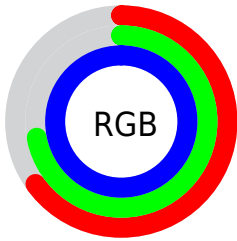
Format	Color
RYB	165, 180, 255
Decimal	10860543
CIELab	75.50, 10.53, -37.56
CIELCh	76, 39.009, 285.664
Yxy	49.0863, 0.2512, 0.2442
Android (android.graphics.Color)	4289050623 (0xFFA5B7FF)
YUV	185.8260, 34.1028, -18.2644
Hunter-Lab	70.0616, 6.0370, -36.7916

Details

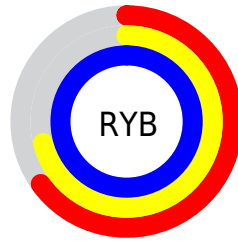
The Yxy color **49.0863, 0.2512, 0.2442** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.5048, 0.3718, 0.4013**, and the grayscale version is **48.8164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4826, 0.2924, 0.3126**, and **23.3575, 0.2352, 0.2233** is the 20% darker color. If you saturate the color by 10%, you get **38.8116, 0.2316, 0.2150**, and if you desaturate by 10%, it is **61.1262, 0.2702, 0.2715**.

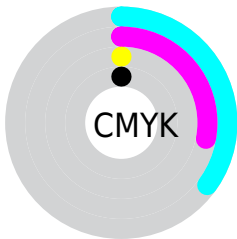
Distribution



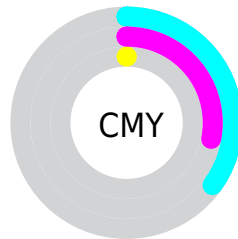
- Red (65%)
- Green (72%)
- Blue (100%)



- Red (65%)
- Yellow (71%)
- Blue (100%)



- Cyan (35%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0863, 0.2512, 0.2442 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 49.0863, 0.2512, 0.2442 by changing the saturation by 10% instead.

■ 49.0863, 0.2512,
0.2442

■ 49.0863, 0.2512,
0.2442

383.0820, 0.2811,
0.2842

■ 34.6879, 0.2441,
0.2350

■ 88.8196, 0.2618,
0.2581

■ 23.4226, 0.2352,
0.2237

■ 114.9234, 0.2659,
0.2635

■ 14.9059, 0.2239,
0.2095

145.6977, 0.2694,
0.2682

■ 8.7533, 0.2089,
0.1912

181.5270, 0.2724,
0.2722

■ 4.5806, 0.1884,
0.1670

222.7957, 0.2750,
0.2757

■ 2.0034, 0.1594,
0.1341

269.8882, 0.2773,

■ 0.6094, 0.1177,

0.2789

0.0858

323.1888, 0.2793,
0.2817

0.0000, 0.0000,
0.0000

49.0863, 0.2512,
0.2442

49.0863, 0.2512,
0.2442

38.8116, 0.2316,
0.2150

61.1262, 0.2702,
0.2715

30.2139, 0.2122,
0.1848

75.0066, 0.2881,
0.2962

23.2023, 0.1940,
0.1549

90.8027, 0.3046,
0.3183

17.6759, 0.1782,
0.1270

100.0000, 0.3127,
0.3290

13.5208, 0.1658,
0.1029

■ 10.6046, 0.1575,
0.0841

■ 9.6016, 0.1548,
0.0773

Harmonies

Analogous

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



49.0863, 0.2230, 0.2528



49.0863, 0.2512, 0.2442



49.0863, 0.2974, 0.2549

Triad

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



49.0863, 0.2512, 0.2442



49.0863, 0.4195, 0.3612



49.0863, 0.2699, 0.3841

Complementary

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



49.0863, 0.2512, 0.2442



84.5048, 0.3718, 0.4013

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.



49.0863, 0.3206, 0.4203



49.0863, 0.2512, 0.2442



49.0863, 0.4087, 0.3999

Square

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



49.0863, 0.2512, 0.2442



49.0863, 0.3985, 0.3191



49.0863, 0.3717, 0.4241



49.0863, 0.2327, 0.3305

Rectangle

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



49.0863, 0.2512, 0.2442



49.0863, 0.3339, 0.2711



49.0863, 0.3717, 0.4241



49.0863, 0.2858, 0.3992

Sweetspot

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



49.0875, 0.2512, 0.2442



81.5817, 0.2954, 0.3061



85.5404, 0.2720, 0.3508



17.0112, 0.2931, 0.3031



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.



49.0875, 0.2512, 0.2442



42.0267, 0.2381, 0.2249



45.1191, 0.2662, 0.2273



17.9678, 0.2979, 0.3094



5.1826, 0.1554, 0.0795



0.6498, 0.1607, 0.0986

Inverse Universe

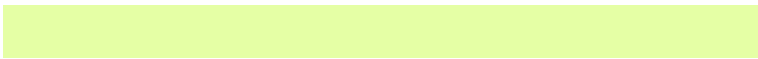
The Inverse Universe completely reimagines the original color for something new.



51.5717, 0.3804, 0.3102



45.2876, 0.3997, 0.3067



90.9728, 0.3486, 0.4228



18.0467, 0.3263, 0.3243



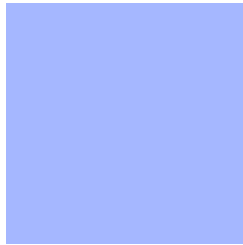
11.2511, 0.6078, 0.3122



1.1101, 0.5780, 0.2958

Previews

White Background



This preview shows how the Yxy color 49.0863, 0.2512, 0.2442 looks on a white background.

Color Contrast Check

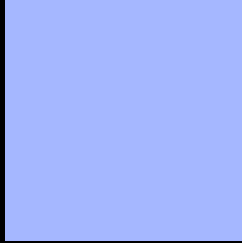
Large Text (above 18pt) WCAG AA × Fail

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 49.0863, 0.2512, 0.2442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

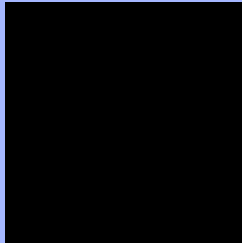
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0863, 0.2512, 0.2442

Background



This preview shows how black text looks on a background with the Yxy color 49.0863, 0.2512, 0.2442.



This preview shows how white text looks on a background with the Yxy color 49.0863, 0.2512, 0.2442.

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

49.0863, 0.2512, 0.2442

Protanopia

48.9795, 0.2506, 0.2441

Deuteranopia

48.9795, 0.2506, 0.2441



Tritanopia

49.0743, 0.2737, 0.3092

Trichromacy



Original Color

49.0863, 0.2512, 0.2442

Protanomaly

48.9795, 0.2506, 0.2441

Deuteranomaly

48.9795, 0.2506, 0.2441

Tritanomaly

49.0461, 0.2654, 0.2845

Monochromacy



Original Color

49.0863, 0.2512, 0.2442

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.8660, 0.2879, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0863, 0.2512, 0.2442 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(165, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 183, 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(165, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 183, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.0863, 0.2512, 0.2442 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(165, 183, 255) }
```

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

```
.border{ border-color:rgb(165, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 183,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0863, 0.2512, 0.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 183, 255) }
```

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

```
.background{ background-color: rgb(165,  
183, 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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