

Converting Colors

$Y_{xy}(48.3491, 0.2417, 0.2448)$

Have a look what the booklet for
Yxy(48.3491, 0.2417, 0.2448)
contains.

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Color

Yxy(48.2138, 0.2414, 0.2445)

Conversions

Conversions Part 1

Format	Color
Hex	94B9FF
RGB	148, 185, 255
RGB Percent	58%, 73%, 100%
CMY	0.4197, 0.2744, 0.0001
CMYK	0.42, 0.27, 0.00, 0.00
HSL	219°, 100%, 79%
HSV	219°, 42%, 100%
XYZ	47.6025, 48.2138, 101.3772
YIQ	181.9170, -44.5220, 13.9260

Conversions

Conversions Part 2

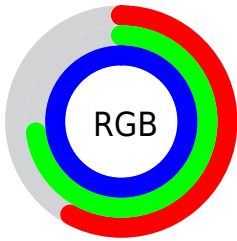
Format	Color
RYB	148, 175, 255
Decimal	9746943
CIELab	74.96, 5.00, -38.47
CIElCh	75, 38.792, 277.410
Yxy	48.2138, 0.2414, 0.2445
Android (android.graphics.Color)	4287937023 (0xFF94B9FF)
YUV	181.9170, 36.0299, -29.7452
Hunter-Lab	69.4362, 0.8588, -37.9584

Details

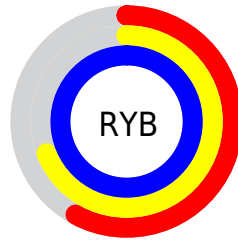
The Yxy color **48.2138, 0.2414, 0.2445** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.4922, 0.3902, 0.4004**, and the grayscale version is **46.5476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1097, 0.2823, 0.3142**, and **22.8551, 0.2233, 0.2233** is the 20% darker color. If you saturate the color by 10%, you get **39.5238, 0.2236, 0.2198**, and if you desaturate by 10%, it is **58.2486, 0.2594, 0.2678**.

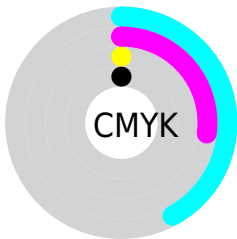
Distribution



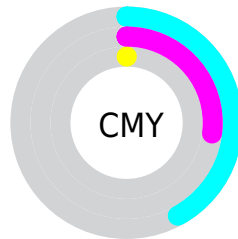
- Red (58%)
- Green (73%)
- Blue (100%)



- Red (58%)
- Yellow (69%)
- Blue (100%)



- Cyan (42%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2138, 0.2414, 0.2445 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 48.2138, 0.2414, 0.2445 by changing the saturation by 10% instead.

■ 48.2138, 0.2414,
0.2445

■ 48.2138, 0.2414,
0.2445

379.6390, 0.2759,
0.2847

■ 33.9962, 0.2333,
0.2352

■ 87.5226, 0.2536,
0.2586

■ 22.8907, 0.2232,
0.2237

■ 113.3827, 0.2582,
0.2640

■ 14.5128, 0.2104,
0.2092

143.8924, 0.2623,
0.2687

■ 8.4782, 0.1936,
0.1904

179.4361, 0.2657,
0.2728

■ 4.4024, 0.1709,
0.1654

220.3982, 0.2687,
0.2763

■ 1.9011, 0.1395,
0.1314

267.1631, 0.2714,

■ 0.5491, 0.0941,

0.2795

0.0802

320.1152, 0.2738,
0.2822

0.0000, 0.0000,
0.0000

48.2138, 0.2414,
0.2445

48.2138, 0.2414,
0.2445

39.5238, 0.2236,
0.2198

58.2486, 0.2594,
0.2678

32.1103, 0.2067,
0.1943

69.6812, 0.2770,
0.2892

25.9065, 0.1914,
0.1690

82.5680, 0.2939,
0.3086

20.8358, 0.1787,
0.1449

96.9604, 0.3097,
0.3258

16.8104, 0.1690,
0.1232

99.9979, 0.3127,
0.3290

■ 14.2437, 0.1633,
0.1079

Harmonies

Analogous

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



48.2138, 0.2190, 0.2588



48.2138, 0.2414, 0.2445



48.2138, 0.2833, 0.2502

Triad

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



48.2138, 0.2414, 0.2445



48.2138, 0.4169, 0.3496



48.2138, 0.2830, 0.3968

Complementary

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



48.2138, 0.2414, 0.2445



73.4922, 0.3902, 0.4004

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.



48.2138, 0.3352, 0.4248



48.2138, 0.2414, 0.2445



48.2138, 0.4147, 0.3901

Square

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



48.2138, 0.2414, 0.2445



48.2138, 0.3877, 0.3080



48.2138, 0.3838, 0.4197



48.2138, 0.2410, 0.3456

Rectangle

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



48.2138, 0.2414, 0.2445



48.2138, 0.3186, 0.2636



48.2138, 0.3838, 0.4197



48.2138, 0.2999, 0.4097

Sweetspot

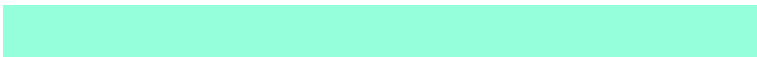
The Sweet Spot groups the original color and five complimentary colors.



48.2156, 0.2414, 0.2445



81.1897, 0.2922, 0.3067



82.8293, 0.2725, 0.3728



16.7489, 0.2885, 0.3025



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.



48.2156, 0.2414, 0.2445



41.1411, 0.2270, 0.2247



36.2821, 0.2448, 0.2021



18.4062, 0.2979, 0.3130



7.6947, 0.1641, 0.1109



0.9439, 0.1704, 0.1333

Inverse Universe

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



45.9272, 0.3832, 0.2905



39.5332, 0.4041, 0.2837



91.9732, 0.3644, 0.4372



18.0909, 0.3240, 0.3208



11.5048, 0.5598, 0.2857



1.1398, 0.5282, 0.2683

Previews

White Background



This preview shows how the Yxy color 48.2138, 0.2414, 0.2445 looks on a white background.

Color Contrast Check

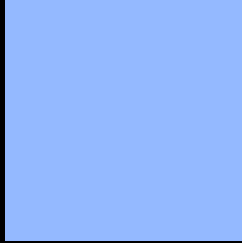
Large Text (above 18pt) WCAG AA × Fail

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 48.2138, 0.2414, 0.2445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

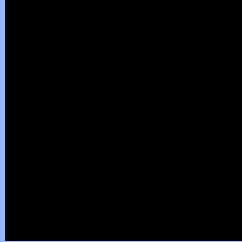
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

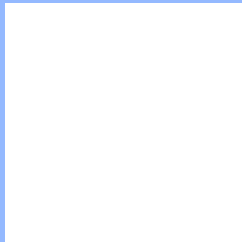
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2138, 0.2414, 0.2445

Background



This preview shows how black text looks on a background with the Yxy color 48.2138, 0.2414, 0.2445.



This preview shows how white text looks on a background with the Yxy color 48.2138, 0.2414, 0.2445.

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

48.2138, 0.2414, 0.2445

Protanopia

48.2707, 0.2514, 0.2457

Deuteranopia

48.1495, 0.2480, 0.2423



Tritanopia

48.4213, 0.2610, 0.3086

Trichromacy



Original Color

48.2138, 0.2414, 0.2445

Protanomaly

48.2279, 0.2480, 0.2452

Deuteranomaly

48.1549, 0.2457, 0.2430

Tritanomaly

48.3280, 0.2532, 0.2834

Monochromacy



Original Color

48.2138, 0.2414, 0.2445

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.0165, 0.2830, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2138, 0.2414, 0.2445 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(148, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 185, 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(148, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.2138, 0.2414, 0.2445 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(148, 185, 255) }
```

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

```
.border{ border-color:rgb(148, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2138, 0.2414, 0.2445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 185, 255) }
```

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

```
.background{ background-color: rgb(148,  
185, 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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