

Converting Colors

$Y_{xy}(49.6495, 0.2356, 0.2291)$

Have a look what the booklet for
Yxy(49.6495, 0.2356, 0.2291)
contains.

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Color

Yxy(48.5933, 0.2437, 0.2450)

Conversions

Conversions Part 1

Format	Color
Hex	98B9FF
RGB	152, 185, 255
RGB Percent	60%, 73%, 100%
CMY	0.4041, 0.2744, 0.0001
CMYK	0.40, 0.27, 0.00, 0.00
HSL	221°, 100%, 80%
HSV	221°, 40%, 100%
XYZ	48.3355, 48.5933, 101.4112
YIQ	183.1130, -42.1380, 14.7740

Conversions

Conversions Part 2

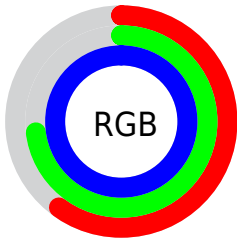
Format	Color
R_{YB}	152, 177, 255
Decimal	10009087
CIE _{Lab}	75.20, 6.00, -38.08
CIE _{LCh}	75, 38.550, 278.961
Yxy	48.5933, 0.2437, 0.2450
Android (android.graphics.Color)	4288199167 (0xFF98B9FF)
YUV	183.1130, 35.4403, -27.2861
Hunter-Lab	69.7089, 1.7796, -37.4578

Details

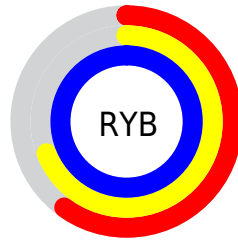
The Yxy color **48.5933, 0.2437, 0.2450** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.7044, 0.3859, 0.4003**, and the grayscale version is **47.2339, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6859, 0.2847, 0.3143**, and **23.0665, 0.2259, 0.2240** is the 20% darker color. If you saturate the color by 10%, you get **39.5863, 0.2255, 0.2195**, and if you desaturate by 10%, it is **59.0145, 0.2619, 0.2689**.

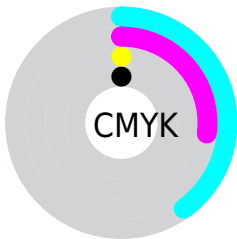
Distribution



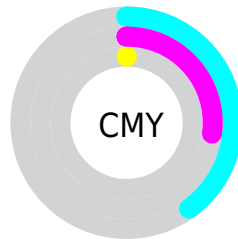
- Red (60%)
- Green (73%)
- Blue (100%)



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



- Cyan (40%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5933, 0.2437, 0.2450 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 48.5933, 0.2437, 0.2450 by changing the saturation by 10% instead.


 48.5933, 0.2437,
0.2450


 48.5933, 0.2437,
0.2450


381.1390, 0.2771,
0.2849

 34.2970, 0.2358,
0.2358


 88.0871, 0.2555,
0.2590

 23.1218, 0.2261,
0.2244

 114.0534, 0.2600,
0.2644

 14.6835, 0.2136,
0.2100


144.6784, 0.2639,
0.2690

 8.5976, 0.1972,
0.1914

180.3466, 0.2673,
0.2730

 4.4796, 0.1751,
0.1668

221.4424, 0.2702,
0.2765

 1.9453, 0.1443,
0.1332

268.3501, 0.2728,

 0.5754, 0.1001,

0.2797

0.0831

321.4542, 0.2750,
0.2824

■ 0.0000, 0.0000,
0.0000

■ 48.5933, 0.2437,
0.2450

■ 48.5933, 0.2437,
0.2450

■ 39.5863, 0.2255,
0.2195

■ 59.0145, 0.2619,
0.2689

■ 31.9224, 0.2081,
0.1932

■ 70.9055, 0.2796,
0.2909

■ 25.5316, 0.1922,
0.1670

■ 84.3254, 0.2964,
0.3107

■ 20.3346, 0.1788,
0.1421

■ 99.3284, 0.3121,
0.3283

■ 16.2408, 0.1685,
0.1198

■ 99.9979, 0.3127,
0.3290

■ 13.2311, 0.1616,
0.1015

Harmonies

Analogous

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



48.5933, 0.2203, 0.2581



48.5933, 0.2437, 0.2450



48.5933, 0.2861, 0.2516

Triad

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



48.5933, 0.2437, 0.2450



48.5933, 0.4167, 0.3516



48.5933, 0.2807, 0.3939

Complementary

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



48.5933, 0.2437, 0.2450



75.7044, 0.3859, 0.4003

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.



48.5933, 0.3324, 0.4233



48.5933, 0.2437, 0.2450



48.5933, 0.4129, 0.3916

Square

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



48.5933, 0.2437, 0.2450



48.5933, 0.3892, 0.3103



48.5933, 0.3811, 0.4199



48.5933, 0.2399, 0.3426

Rectangle

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



48.5933, 0.2437, 0.2450



48.5933, 0.3214, 0.2655



48.5933, 0.3811, 0.4199



48.5933, 0.2974, 0.4071

Sweetspot

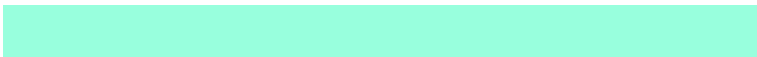
The Sweet Spot groups the original color and five complimentary colors.



48.5951, 0.2437, 0.2450



82.1047, 0.2938, 0.3077



83.3701, 0.2729, 0.3688



17.1865, 0.2917, 0.3052



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.



48.5951, 0.2437, 0.2450



41.6398, 0.2298, 0.2258



38.1050, 0.2491, 0.2079



18.3297, 0.2979, 0.3124



7.1531, 0.1624, 0.1044



0.8843, 0.1685, 0.1266

Inverse Universe

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



47.1966, 0.3821, 0.2946



40.9003, 0.4021, 0.2885



91.9065, 0.3615, 0.4337



18.0832, 0.3244, 0.3214



11.4501, 0.5693, 0.2910



1.1338, 0.5373, 0.2734

Previews

White Background



This preview shows how the Yxy color 48.5933, 0.2437, 0.2450 looks on a white background.

Color Contrast Check

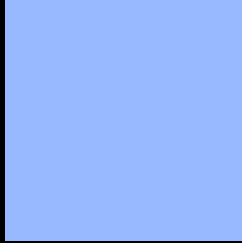
Large Text (above 18pt) WCAG AA × Fail

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 48.5933, 0.2437, 0.2450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

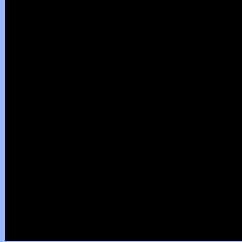
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

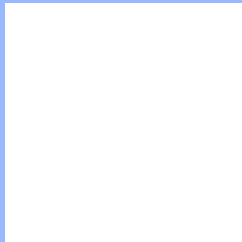
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5933, 0.2437, 0.2450

Background



This preview shows how black text looks on a background with the Yxy color 48.5933, 0.2437, 0.2450.



This preview shows how white text looks on a background with the Yxy color 48.5933, 0.2437, 0.2450.

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

48.5933, 0.2437, 0.2450

Protanopia

48.4403, 0.2515, 0.2448

Deuteranopia

48.3573, 0.2492, 0.2426



Tritanopia

48.7625, 0.2635, 0.3088

Trichromacy



Original Color

48.5933, 0.2437, 0.2450

Protanomaly

48.4963, 0.2487, 0.2445

Deuteranomaly

48.3561, 0.2469, 0.2432

Tritanomaly

48.6819, 0.2556, 0.2837

Monochromacy



Original Color

48.5933, 0.2437, 0.2450

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.6551, 0.2846, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5933, 0.2437, 0.2450 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(152, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(152, 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(152, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 185, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.5933, 0.2437, 0.2450 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(152, 185, 255) }
```

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

```
.border{ border-color:rgb(152, 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(152, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(152, 185,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5933, 0.2437, 0.2450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 185, 255) }
```

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

```
.background{ background-color: rgb(152,  
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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