

Converting Colors

$Yxy(48.7759, 0.2440, 0.2486)$

Have a look what the booklet for
Yxy(48.7759, 0.2440, 0.2486)
contains.

Yxy(48.6937, 0.2438, 0.2480)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.6937, 0.2438, 0.2480)

Conversions

Conversions Part 1

Format	Color
Hex	96BAFD
RGB	150, 186, 253
RGB Percent	59%, 73%, 99%
CMY	0.4116, 0.2706, 0.0079
CMYK	0.41, 0.26, 0.00, 0.01
HSL	219°, 96%, 79%
HSV	219°, 41%, 99%
XYZ	47.8690, 48.6937, 99.7828
YIQ	182.8740, -42.9630, 13.2050

Conversions

Conversions Part 2

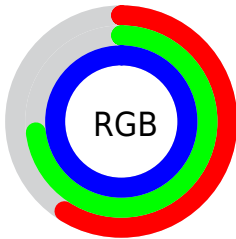
Format	Color
R _Y B	150, 177, 253
Decimal	9878269
CIE Lab	75.26, 4.45, -36.92
CIE LCh	75, 37.187, 276.867
Yxy	48.6937, 0.2438, 0.2480
Android (android.graphics.Color)	4288068349 (0xFF96BAFD)
YUV	182.8740, 34.5721, -28.8305
Hunter-Lab	69.7809, 0.3329, -35.9348

Details

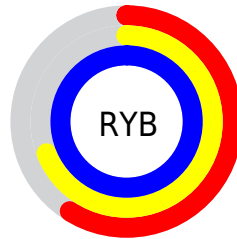
The Yxy color **48.6937, 0.2438, 0.2480** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **72.7216, 0.3876, 0.3980**, and the grayscale version is **47.1114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9897, 0.2836, 0.3153**, and **23.1403, 0.2261, 0.2278** is the 20% darker color. If you saturate the color by 10%, you get **40.0069, 0.2260, 0.2236**, and if you desaturate by 10%, it is **58.7013, 0.2618, 0.2709**.

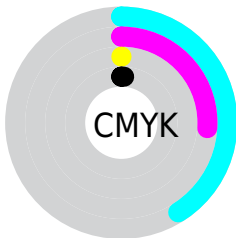
Distribution



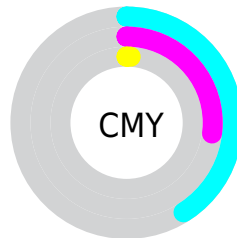
- Red (59%)
- Green (73%)
- Blue (99%)



- Red (59%)
- Yellow (69%)
- Blue (99%)



- Cyan (41%)
- Magenta (26%)
- Yellow (0%)
- Black (1%)




- Cyan (41%)
- Magenta (27%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6937, 0.2438, 0.2480 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 48.6937, 0.2438, 0.2480 by changing the saturation by 10% instead.


 48.6937, 0.2438,
0.2480


 48.6937, 0.2438,
0.2480

381.5352, 0.2771,
0.2866

 34.3766, 0.2360,
0.2390


 88.2364, 0.2556,
0.2615

 23.1830, 0.2262,
0.2279


 114.2307, 0.2601,
0.2668

 14.7287, 0.2137,
0.2139


144.8862, 0.2640,
0.2713

 8.6292, 0.1974,
0.1956

180.5873, 0.2673,
0.2752

 4.5001, 0.1753,
0.1712

221.7183, 0.2702,
0.2786

 1.9571, 0.1444,
0.1378

268.6637, 0.2728,

 0.5824, 0.0993,

0.2816

0.0874

321.8079, 0.2751,
0.2842

0.0000, 0.0000,
0.0000

48.6937, 0.2438,
0.2480

48.6937, 0.2438,
0.2480

40.0069, 0.2260,
0.2236

58.7013, 0.2618,
0.2709

32.5748, 0.2089,
0.1983

70.0806, 0.2793,
0.2920

26.3331, 0.1935,
0.1730

82.8862, 0.2960,
0.3110

21.2084, 0.1804,
0.1488

97.1680, 0.3117,
0.3279

17.1167, 0.1703,
0.1267

99.8703, 0.3139,
0.3309

■ 14.1279, 0.1636,
0.1088

Harmonies

Analogous

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



48.6937, 0.2225, 0.2623



48.6937, 0.2438, 0.2480



48.6937, 0.2838, 0.2530

Triad

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



48.6937, 0.2438, 0.2480



48.6937, 0.4120, 0.3483



48.6937, 0.2853, 0.3943

Complementary

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



48.6937, 0.2438, 0.2480



72.7216, 0.3876, 0.3980

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.



48.6937, 0.3354, 0.4205



48.6937, 0.2438, 0.2480



48.6937, 0.4106, 0.3872

Square

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



48.6937, 0.2438, 0.2480



48.6937, 0.3836, 0.3083



48.6937, 0.3817, 0.4155



48.6937, 0.2446, 0.3459

Rectangle

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



48.6937, 0.2438, 0.2480



48.6937, 0.3175, 0.2658



48.6937, 0.3817, 0.4155



48.6937, 0.3015, 0.4063

Sweetspot

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



48.6955, 0.2438, 0.2480



82.5979, 0.2938, 0.3086



81.7309, 0.2735, 0.3712



17.3021, 0.2917, 0.3062



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.



48.6955, 0.2438, 0.2480



42.1221, 0.2289, 0.2277



36.9705, 0.2473, 0.2066



18.4153, 0.2979, 0.3131



7.7626, 0.1644, 0.1117



0.9513, 0.1706, 0.1341

Inverse Universe

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



46.2515, 0.3797, 0.2914



40.2825, 0.4009, 0.2841



90.5355, 0.3630, 0.4340



18.0918, 0.3239, 0.3207



11.5116, 0.5586, 0.2851



1.1406, 0.5271, 0.2677

Previews

White Background



This preview shows how the Yxy color 48.6937, 0.2438, 0.2480 looks on a white background.

Color Contrast Check

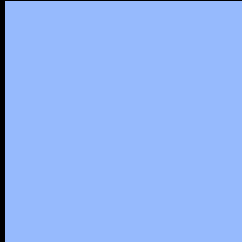
Large Text (above 18pt) WCAG AA × Fail

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 48.6937, 0.2438, 0.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

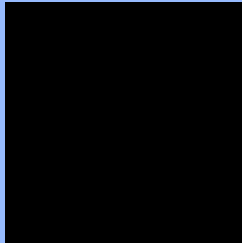
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

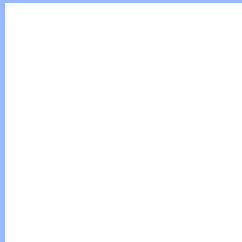
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6937, 0.2438, 0.2480

Background



This preview shows how black text looks on a background with the Yxy color 48.6937, 0.2438, 0.2480.



This preview shows how white text looks on a background with the Yxy color 48.6937, 0.2438, 0.2480.

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

48.6937, 0.2438, 0.2480

Protanopia

48.3574, 0.2538, 0.2480

Deuteranopia

48.3982, 0.2504, 0.2437



Tritanopia

48.7257, 0.2623, 0.3074

Trichromacy



Original Color

48.6937, 0.2438, 0.2480

Protanomaly

48.3056, 0.2503, 0.2475

Deuteranomaly

48.2918, 0.2474, 0.2442

Tritanomaly

48.5922, 0.2550, 0.2837

Monochromacy



Original Color

48.6937, 0.2438, 0.2480

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.4930, 0.2846, 0.2982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6937, 0.2438, 0.2480 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(150, 186, 253)` looks like.

```
.text, #text, p{  
    color:rgb(150, 186, 253)  
}
```

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(150, 186, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 186, 253) }
```

Border

The CSS property to change the border of an element to Yxy 48.6937, 0.2438, 0.2480 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(150, 186, 253) }
```

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

```
.border{ border-color:rgb(150, 186, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 186, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 186, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 186, 253);  
box-shadow:4px 4px 4px 4px rgb(150, 186,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6937, 0.2438, 0.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 186, 253) }
```

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

```
.background{ background-color: rgb(150,  
186, 253) }
```

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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