

Converting Colors

$Y_{xy}(47.9100, 0.2502, 0.2759)$

Have a look what the booklet for
Yxy(47.9100, 0.2502, 0.2759)
contains.

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Color

Yxy(47.7402, 0.2501, 0.2748)

Conversions

Conversions Part 1

Format	Color
Hex	8CBDE7
RGB	140, 189, 231
RGB Percent	55%, 74%, 91%
CMY	0.4506, 0.2589, 0.0941
CMYK	0.39, 0.18, 0.00, 0.09
HSL	208°, 65%, 73%
HSV	208°, 39%, 91%
XYZ	43.4491, 47.7402, 82.5377
YIQ	179.1370, -42.6860, 2.6740

Conversions

Conversions Part 2

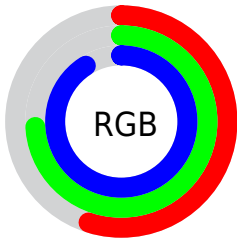
Format	Color
RYB	140, 172, 231
Decimal	9223655
CIELab	74.66, -5.61, -26.05
CIELCh	75, 26.645, 257.844
Yxy	47.7402, 0.2501, 0.2748
Android (android.graphics.Color)	4287413735 (0xFF8CBDE7)
YUV	179.1370, 25.5685, -34.3231
Hunter-Lab	69.0943, -8.6673, -22.4599

Details

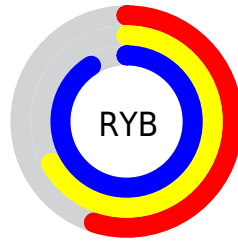
The Yxy color **47.7402, 0.2501, 0.2748** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **52.3940, 0.3919, 0.3771**, and the grayscale version is **45.0446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2606, 0.2775, 0.3183**, and **22.6348, 0.2338, 0.2608** is the 20% darker color. If you saturate the color by 10%, you get **41.5138, 0.2346, 0.2580**, and if you desaturate by 10%, it is **54.7299, 0.2662, 0.2905**.

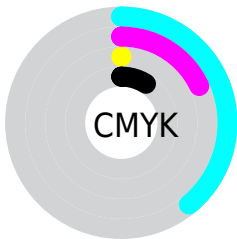
Distribution



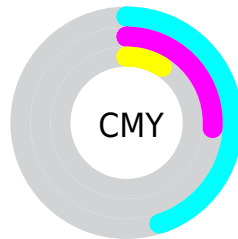
- Red (55%)
- Green (74%)
- Blue (91%)



- Red (55%)
- Yellow (67%)
- Blue (91%)



- Cyan (39%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)



- Cyan (45%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7402, 0.2501, 0.2748 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 47.7402, 0.2501, 0.2748 by changing the saturation by 10% instead.

■ 47.7402, 0.2501,
0.2748

■ 47.7402, 0.2501,
0.2748

■ 377.7614, 0.2805,
0.3016

■ 33.6212, 0.2428,
0.2683

■ 86.8175, 0.2609,
0.2844

■ 22.6027, 0.2337,
0.2600

■ 112.5445, 0.2650,
0.2881

■ 14.3005, 0.2220,
0.2492

■ 142.9097, 0.2686,
0.2912

■ 8.3299, 0.2063,
0.2347

■ 178.2974, 0.2716,
0.2939

■ 4.3068, 0.1845,
0.2141

■ 219.0920, 0.2743,
0.2962

■ 1.8466, 0.1529,
0.1833

■ 265.6780, 0.2766,

■ 0.5160, 0.0870,

0.2982

0.1270

318.4396, 0.2787,
0.3000

0.0000, 0.0000,
0.0000

47.7402, 0.2501,
0.2748

47.7402, 0.2501,
0.2748

41.5138, 0.2346,
0.2580

54.7299, 0.2662,
0.2905

36.0114, 0.2201,
0.2404

62.5088, 0.2823,
0.3049

31.1977, 0.2070,
0.2223

71.1078, 0.2982,
0.3180

27.0314, 0.1959,
0.2041

80.5544, 0.3137,
0.3297

23.4643, 0.1871,
0.1863

90.7612, 0.3281,
0.3402

■ 20.4242, 0.1805,
0.1694

■ 97.3185, 0.3270,
0.3504

■ 20.2422, 0.1801,
0.1683

■ 98.5505, 0.3268,
0.3522

Harmonies

Analogous

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



47.7402, 0.2442, 0.2957



47.7402, 0.2501, 0.2748



47.7402, 0.2718, 0.2688

Triad

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



47.7402, 0.2501, 0.2748



47.7402, 0.3733, 0.3252



47.7402, 0.3166, 0.3891

Complementary

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



47.7402, 0.2501, 0.2748



52.3940, 0.3919, 0.3771

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.



47.7402, 0.3523, 0.3949



47.7402, 0.2501, 0.2748



47.7402, 0.3864, 0.3555

Square

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



47.7402, 0.2501, 0.2748



47.7402, 0.3429, 0.2973



47.7402, 0.3783, 0.3814



47.7402, 0.2812, 0.3638

Rectangle

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



47.7402, 0.2501, 0.2748



47.7402, 0.2932, 0.2728



47.7402, 0.3783, 0.3814



47.7402, 0.3289, 0.3934

Sweetspot

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



47.7420, 0.2501, 0.2748



85.9558, 0.2940, 0.3146



66.0810, 0.2846, 0.3938



18.0908, 0.2919, 0.3129



0.0000, 0.0000, 0.0000



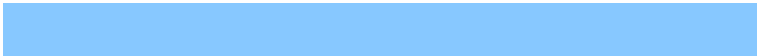
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.7420, 0.2501, 0.2748



53.5055, 0.2378, 0.2616



31.4935, 0.2409, 0.2148



15.1645, 0.2981, 0.3179



11.5975, 0.1808, 0.1710



1.0425, 0.1878, 0.1959

Inverse Universe

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



39.4476, 0.3578, 0.2739



42.7811, 0.3710, 0.2632



73.5368, 0.3733, 0.4222



14.4970, 0.3209, 0.3164



10.3685, 0.4795, 0.2415



0.7849, 0.4500, 0.2253

Previews

White Background



This preview shows how the Yxy color 47.7402, 0.2501, 0.2748 looks on a white background.

Color Contrast Check

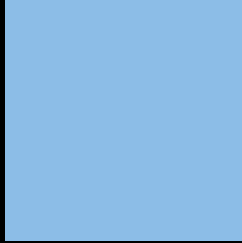
Large Text (above 18pt) WCAG AA × Fail

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 47.7402, 0.2501, 0.2748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

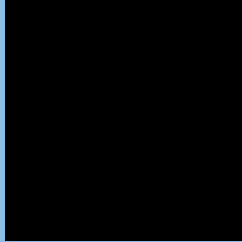
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

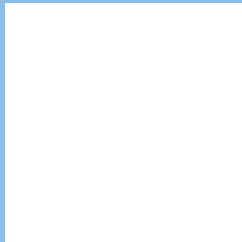
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7402, 0.2501, 0.2748

Background



This preview shows how black text looks on a background with the Yxy color 47.7402, 0.2501, 0.2748.



This preview shows how white text looks on a background with the Yxy color 47.7402, 0.2501, 0.2748.

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

47.7402, 0.2501, 0.2748

Protanopia

47.4230, 0.2737, 0.2733

Deuteranopia

47.6397, 0.2705, 0.2646



Tritanopia

47.7623, 0.2602, 0.3085

Trichromacy



Original Color

47.7402, 0.2501, 0.2748

Protanomaly

47.4595, 0.2643, 0.2736

Deuteranomaly

47.3746, 0.2624, 0.2679

Tritanomaly

47.8914, 0.2566, 0.2969

Monochromacy



Original Color

47.7402, 0.2501, 0.2748

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.9435, 0.2869, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7402, 0.2501, 0.2748 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(140, 189, 231)` looks like.

```
.text, #text, p{  
    color:rgb(140, 189, 231)  
}
```

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(140, 189, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 189, 231) }
```

Border

The CSS property to change the border of an element to Yxy 47.7402, 0.2501, 0.2748 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(140, 189, 231) }
```

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

```
.border{ border-color:rgb(140, 189, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 189, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 189, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 189, 231);  
box-shadow:4px 4px 4px 4px rgb(140, 189,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7402, 0.2501, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 189, 231) }
```

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

```
.background{ background-color: rgb(140,  
189, 231) }
```

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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