

Converting Colors

$Y_{xy}(47.8256, 0.2439, 0.2753)$

Have a look what the booklet for
Yxy(47.8256, 0.2439, 0.2753)
contains.

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Color

Yxy(47.8336, 0.2443, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	82BFE8
RGB	130, 191, 232
RGB Percent	51%, 75%, 91%
CMY	0.4901, 0.2510, 0.0903
CMYK	0.44, 0.18, 0.00, 0.09
HSL	204°, 69%, 71%
HSV	204°, 44%, 91%
XYZ	42.4011, 47.8336, 83.3270
YIQ	177.4350, -49.5170, -0.1810

Conversions

Conversions Part 2

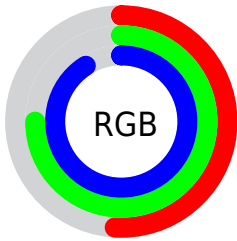
Format	Color
R_{YB}	130, 168, 232
Decimal	8568808
CIE _{Lab}	74.72, -8.99, -26.52
CIE _{LCh}	75, 28.006, 251.282
Yxy	47.8336, 0.2443, 0.2756
Android (android.graphics.Color)	4286758888 (0xFF82BFE8)
YUV	177.4350, 26.9005, -41.6005
Hunter-Lab	69.1618, -11.6000, -23.0200

Details

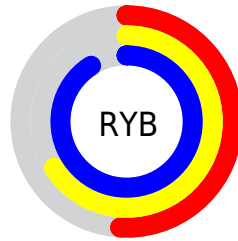
The Yxy color **47.8336, 0.2443, 0.2756** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.8877, 0.4071, 0.3759**, and the grayscale version is **44.0844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3063, 0.2728, 0.3203**, and **22.7674, 0.2271, 0.2619** is the 20% darker color. If you saturate the color by 10%, you get **42.2650, 0.2300, 0.2608**, and if you desaturate by 10%, it is **54.0781, 0.2595, 0.2896**.

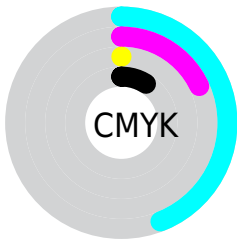
Distribution



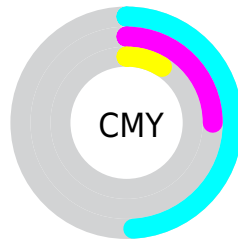
- Red (51%)
- Green (75%)
- Blue (91%)



- Red (51%)
- Yellow (66%)
- Blue (91%)



- Cyan (44%)
- Magenta (18%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8336, 0.2443, 0.2756 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 47.8336, 0.2443, 0.2756 by changing the saturation by 10% instead.

■ 47.8336, 0.2443,
0.2756

■ 47.8336, 0.2443,
0.2756

■ 378.1322, 0.2774,
0.3022

■ 33.6951, 0.2364,
0.2691

■ 86.9566, 0.2560,
0.2852

■ 22.6595, 0.2266,
0.2608

■ 112.7099, 0.2605,
0.2888

■ 14.3423, 0.2140,
0.2500

■ 143.1036, 0.2644,
0.2919

■ 8.3591, 0.1972,
0.2354

■ 178.5222, 0.2677,
0.2945

■ 4.3256, 0.1742,
0.2146

■ 219.3499, 0.2706,
0.2968

■ 1.8573, 0.1412,
0.1835

■ 265.9712, 0.2731,

■ 0.5225, 0.0679,

0.2988

0.1280

318.7705, 0.2754,
0.3006

0.0000, 0.0000,
0.0000

47.8336, 0.2443,
0.2756

47.8336, 0.2443,
0.2756

42.2650, 0.2300,
0.2608

54.0781, 0.2595,
0.2896

37.3341, 0.2169,
0.2454

61.0234, 0.2752,
0.3025

33.0061, 0.2057,
0.2297

68.6991, 0.2910,
0.3144

29.2392, 0.1964,
0.2140

77.1315, 0.3066,
0.3251

25.9837, 0.1894,
0.1987

86.3453, 0.3218,
0.3347

■ 24.2193, 0.1860,
0.1896

■ 93.5698, 0.3270,
0.3436

■ 98.6051, 0.3262,
0.3513

Harmonies

Analogous

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



47.8336, 0.2420, 0.3006



47.8336, 0.2443, 0.2756



47.8336, 0.2636, 0.2660

Triad

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



47.8336, 0.2443, 0.2756



47.8336, 0.3706, 0.3181



47.8336, 0.3252, 0.3956

Complementary

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



47.8336, 0.2443, 0.2756



47.8877, 0.4071, 0.3759

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.



47.8336, 0.3614, 0.3966



47.8336, 0.2443, 0.2756



47.8336, 0.3891, 0.3498

Square

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



47.8336, 0.2443, 0.2756



47.8336, 0.3360, 0.2903



47.8336, 0.3853, 0.3786



47.8336, 0.2871, 0.3729

Rectangle

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



47.8336, 0.2443, 0.2756



47.8336, 0.2844, 0.2681



47.8336, 0.3853, 0.3786



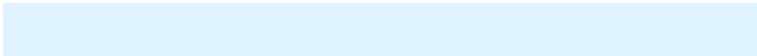
47.8336, 0.3380, 0.3984

Sweetspot

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



47.8354, 0.2443, 0.2756



86.0386, 0.2924, 0.3154



65.3823, 0.2847, 0.4101



17.9430, 0.2889, 0.3128



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.



47.8354, 0.2443, 0.2756



52.8299, 0.2309, 0.2618



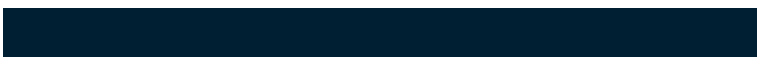
29.3903, 0.2323, 0.2058



15.3137, 0.2981, 0.3193



13.7011, 0.1867, 0.1920



1.1933, 0.1928, 0.2141

Inverse Universe

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



36.8837, 0.3586, 0.2611



38.8592, 0.3728, 0.2478



70.8929, 0.3824, 0.4278



14.5120, 0.3199, 0.3150



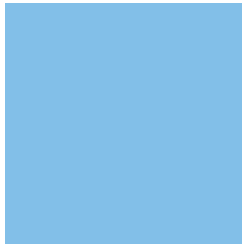
10.5808, 0.4544, 0.2277



0.8001, 0.4296, 0.2140

Previews

White Background



This preview shows how the Yxy color 47.8336, 0.2443, 0.2756 looks on a white background.

Color Contrast Check

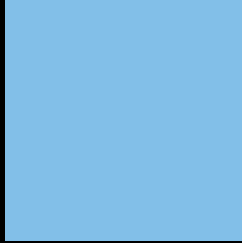
Large Text (above 18pt) WCAG AA × Fail

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 47.8336, 0.2443, 0.2756 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

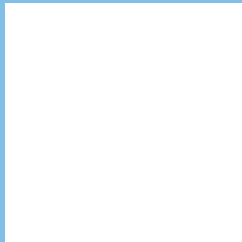
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.8336, 0.2443, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 47.8336, 0.2443, 0.2756.

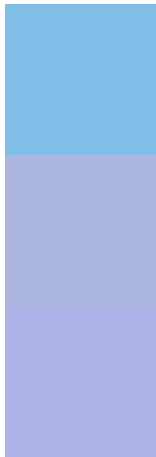


This preview shows how white text looks on a background with the Yxy color 47.8336, 0.2443, 0.2756.

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

47.8336, 0.2443, 0.2756

Protanopia

47.3682, 0.2743, 0.2744

Deuteranopia

47.5817, 0.2691, 0.2634



Tritanopia

47.9684, 0.2536, 0.3083

Trichromacy



Original Color

47.8336, 0.2443, 0.2756

Protanomaly

47.4675, 0.2618, 0.2745

Deuteranomaly

47.4333, 0.2593, 0.2677

Tritanomaly

48.0811, 0.2502, 0.2966

Monochromacy



Original Color

47.8336, 0.2443, 0.2756

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.9607, 0.2837, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8336, 0.2443, 0.2756 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(130, 191, 232)` looks like.

```
.text, #text, p{  
    color:rgb(130, 191, 232)  
}
```

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(130, 191, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 191, 232) }
```

Border

The CSS property to change the border of an element to Yxy 47.8336, 0.2443, 0.2756 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(130, 191, 232) }
```

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

```
.border{ border-color:rgb(130, 191, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 191, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 191, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 191, 232);  
box-shadow:4px 4px 4px 4px rgb(130, 191,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8336, 0.2443, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 191, 232) }
```

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

```
.background{ background-color: rgb(130,  
191, 232) }
```

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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