

Converting Colors

$Y_{xy}(49.0153, 0.2473, 0.2722)$

Have a look what the booklet for
Yxy(49.0153, 0.2473, 0.2722)
contains.

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Color

Yxy(48.8067, 0.2472, 0.2717)

Conversions

Conversions Part 1

Format	Color
Hex	8BBFEC
RGB	139, 191, 236
RGB Percent	55%, 75%, 93%
CMY	0.4552, 0.2509, 0.0746
CMYK	0.41, 0.19, 0.00, 0.07
HSL	208°, 72%, 74%
HSV	208°, 41%, 93%
XYZ	44.4057, 48.8067, 86.4222
YIQ	180.5820, -45.4370, 2.9710

Conversions

Conversions Part 2

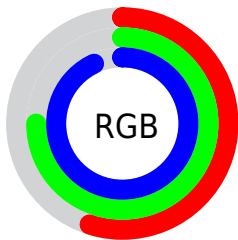
Format	Color
RYB	139, 173, 236
Decimal	9158636
CIELab	75.33, -5.69, -27.71
CIELCh	75, 28.288, 258.390
Yxy	48.8067, 0.2472, 0.2717
Android (android.graphics.Color)	4287348716 (0xFF8BBFEC)
YUV	180.5820, 27.3211, -36.4674
Hunter-Lab	69.8618, -8.7997, -24.4411

Details

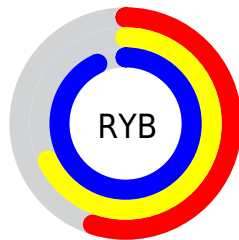
The Yxy color **48.8067, 0.2472, 0.2717** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **53.9213, 0.3966, 0.3794**, and the grayscale version is **45.8316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4773, 0.2777, 0.3204**, and **23.3571, 0.2308, 0.2569** is the 20% darker color. If you saturate the color by 10%, you get **42.4015, 0.2318, 0.2547**, and if you desaturate by 10%, it is **56.0098, 0.2632, 0.2877**.

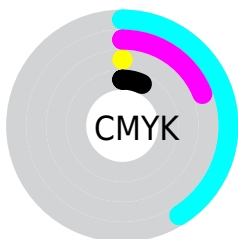
Distribution



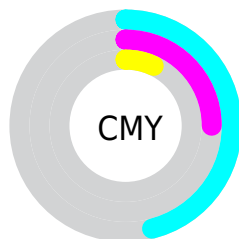
- Red (55%)
- Green (75%)
- Blue (93%)



- Red (55%)
- Yellow (68%)
- Blue (93%)



- Cyan (41%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (46%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8067, 0.2472, 0.2717 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 48.8067, 0.2472, 0.2717 by changing the saturation by 10% instead.

■ 48.8067, 0.2472,
0.2717

■ 48.8067, 0.2472,
0.2717

■ 381.9808, 0.2788,
0.2999

■ 34.4662, 0.2397,
0.2649

■ 88.4043, 0.2584,
0.2818

■ 23.2520, 0.2303,
0.2563

■ 114.4301, 0.2627,
0.2856

■ 14.7797, 0.2183,
0.2452

■ 145.1199, 0.2664,
0.2889

■ 8.6649, 0.2023,
0.2302

■ 180.8579, 0.2696,
0.2917

■ 4.5233, 0.1804,
0.2092

■ 222.0286, 0.2723,
0.2941

■ 1.9704, 0.1490,
0.1784

■ 269.0164, 0.2748,

■ 0.5902, 0.0905,

0.2963

0.1266

322.2057, 0.2769,
0.2982

0.0000, 0.0000,
0.0000

48.8067, 0.2472,
0.2717

48.8067, 0.2472,
0.2717

42.4015, 0.2318,
0.2547

56.0098, 0.2632,
0.2877

36.7523, 0.2175,
0.2369

64.0385, 0.2794,
0.3023

31.8213, 0.2047,
0.2187

72.9260, 0.2954,
0.3157

27.5635, 0.1940,
0.2005

82.7016, 0.3110,
0.3277

23.9266, 0.1856,
0.1828

93.0290, 0.3247,
0.3385

■ 21.1506, 0.1799,
0.1678

■ 98.8351, 0.3238,
0.3474

Harmonies

Analogous

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



48.8067, 0.2407, 0.2933



48.8067, 0.2472, 0.2717



48.8067, 0.2702, 0.2658

Triad

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



48.8067, 0.2472, 0.2717



48.8067, 0.3770, 0.3255



48.8067, 0.3159, 0.3923

Complementary

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



48.8067, 0.2472, 0.2717



53.9213, 0.3966, 0.3794

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.



48.8067, 0.3537, 0.3986



48.8067, 0.2472, 0.2717



48.8067, 0.3905, 0.3572

Square

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



48.8067, 0.2472, 0.2717



48.8067, 0.3452, 0.2961



48.8067, 0.3814, 0.3844



48.8067, 0.2788, 0.3652

Rectangle

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



48.8067, 0.2472, 0.2717



48.8067, 0.2928, 0.2703



48.8067, 0.3814, 0.3844



48.8067, 0.3290, 0.3969

Sweetspot

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



48.8086, 0.2472, 0.2717



85.9391, 0.2940, 0.3145



68.8644, 0.2835, 0.3974



18.0869, 0.2919, 0.3128



0.0000, 0.0000, 0.0000



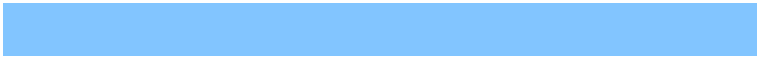
21.4041, 0.3127, 0.3290

Same Dimension

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



48.8086, 0.2472, 0.2717



51.9588, 0.2347, 0.2580



31.4143, 0.2370, 0.2085



15.8883, 0.2981, 0.3178



11.9227, 0.1807, 0.1705



1.1285, 0.1873, 0.1942

Inverse Universe

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



40.0339, 0.3608, 0.2715



41.2755, 0.3747, 0.2607



76.9151, 0.3761, 0.4263



15.1893, 0.3209, 0.3164



10.6964, 0.4801, 0.2418



0.8593, 0.4520, 0.2263

Previews

White Background



This preview shows how the Yxy color 48.8067, 0.2472, 0.2717 looks on a white background.

Color Contrast Check

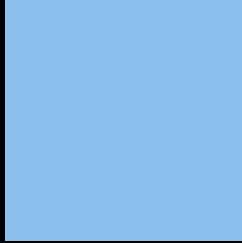
Large Text (above 18pt) WCAG AA × Fail

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 48.8067, 0.2472, 0.2717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

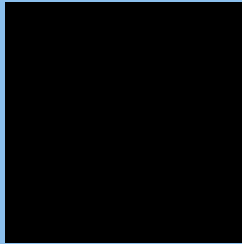
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8067, 0.2472, 0.2717

Background



This preview shows how black text looks on a background with the Yxy color 48.8067, 0.2472, 0.2717.



This preview shows how white text looks on a background with the Yxy color 48.8067, 0.2472, 0.2717.

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

48.8067, 0.2472, 0.2717

Protanopia

48.5788, 0.2720, 0.2715

Deuteranopia

48.7429, 0.2676, 0.2617



Tritanopia

48.6389, 0.2577, 0.3073

Trichromacy



Original Color

48.8067, 0.2472, 0.2717

Protanomaly

48.5211, 0.2622, 0.2717

Deuteranomaly

48.4937, 0.2597, 0.2650

Tritanomaly

48.9018, 0.2542, 0.2945

Monochromacy



Original Color

48.8067, 0.2472, 0.2717

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.0220, 0.2857, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8067, 0.2472, 0.2717 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(139, 191, 236)` looks like.

```
.text, #text, p{  
    color:rgb(139, 191, 236)  
}
```

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(139, 191, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 191, 236) }
```

Border

The CSS property to change the border of an element to Yxy 48.8067, 0.2472, 0.2717 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(139, 191, 236) }
```

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

```
.border{ border-color:rgb(139, 191, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 191, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 191, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 191, 236);  
box-shadow:4px 4px 4px 4px rgb(139, 191,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8067, 0.2472, 0.2717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 191, 236) }
```

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

```
.background{ background-color: rgb(139,  
191, 236) }
```

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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