

Converting Colors

$Yxy(48.1662, 0.2442, 0.2766)$

Have a look what the booklet for
Yxy(48.1662, 0.2442, 0.2766)
contains.

Yxy(48.2713, 0.2445, 0.2769)	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(48.2713, 0.2445, 0.2769)

Conversions

Conversions Part 1

Format	Color
Hex	82C0E8
RGB	130, 192, 232
RGB Percent	51%, 75%, 91%
CMY	0.4902, 0.2471, 0.0901
CMYK	0.44, 0.17, 0.00, 0.09
HSL	204°, 69%, 71%
HSV	204°, 44%, 91%
XYZ	42.6231, 48.2713, 83.4332
YIQ	178.0220, -49.7920, -0.7040

Conversions

Conversions Part 2

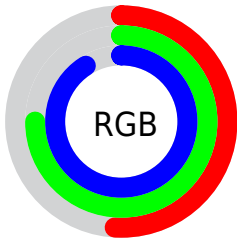
Format	Color
RYB	130, 169, 232
Decimal	8569064
CIELab	75.00, -9.51, -26.13
CIElCh	75, 27.804, 249.997
Yxy	48.2713, 0.2445, 0.2769
Android (android.graphics.Color)	4286759144 (0xFF82C0E8)
YUV	178.0220, 26.6112, -42.1153
Hunter-Lab	69.4776, -12.0795, -22.5650

Details

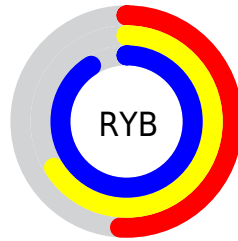
The Yxy color **48.2713, 0.2445, 0.2769** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.5296, 0.4077, 0.3749**, and the grayscale version is **44.4105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9196, 0.2729, 0.3214**, and **23.0163, 0.2270, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **42.7661, 0.2303, 0.2625**, and if you desaturate by 10%, it is **54.4410, 0.2596, 0.2905**.

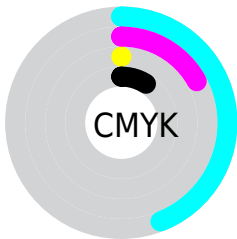
Distribution



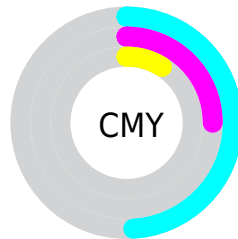
- Red (51%)
- Green (75%)
- Blue (91%)



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



- Cyan (44%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2713, 0.2445, 0.2769 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 48.2713, 0.2445, 0.2769 by changing the saturation by 10% instead.

■ 48.2713, 0.2445,
0.2769

■ 48.2713, 0.2445,
0.2769

■ 379.8665, 0.2774,
0.3028

■ 34.0418, 0.2367,
0.2705

■ 87.6082, 0.2562,
0.2863

■ 22.9257, 0.2269,
0.2625

■ 113.4844, 0.2606,
0.2898

■ 14.5387, 0.2144,
0.2519

■ 144.0116, 0.2645,
0.2928

■ 8.4963, 0.1978,
0.2376

■ 179.5742, 0.2678,
0.2954

■ 4.4141, 0.1749,
0.2173

■ 220.5566, 0.2707,
0.2976

■ 1.9078, 0.1422,
0.1867

■ 267.3432, 0.2732,

■ 0.5531, 0.0709,

0.2996

0.1335

320.3183, 0.2754,
0.3013

0.0000, 0.0000,
0.0000

48.2713, 0.2445,
0.2769

48.2713, 0.2445,
0.2769

42.7661, 0.2303,
0.2625

54.4410, 0.2596,
0.2905

37.8874, 0.2174,
0.2475

61.2996, 0.2753,
0.3031

33.6008, 0.2063,
0.2322

68.8765, 0.2910,
0.3147

29.8649, 0.1972,
0.2169

77.1978, 0.3066,
0.3251

26.6302, 0.1903,
0.2019

86.2877, 0.3218,
0.3345

■ 24.8787, 0.1870,
0.1931

■ 93.3734, 0.3270,
0.3433

■ 98.6077, 0.3262,
0.3512

Harmonies

Analogous

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



48.2713, 0.2430, 0.3022



48.2713, 0.2445, 0.2769



48.2713, 0.2629, 0.2667

Triad

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



48.2713, 0.2445, 0.2769



48.2713, 0.3688, 0.3169



48.2713, 0.3267, 0.3954

Complementary

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



48.2713, 0.2445, 0.2769



47.5296, 0.4077, 0.3749

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.



48.2713, 0.3622, 0.3955



48.2713, 0.2445, 0.2769



48.2713, 0.3879, 0.3483

Square

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



48.2713, 0.2445, 0.2769



48.2713, 0.3341, 0.2897



48.2713, 0.3851, 0.3771



48.2713, 0.2889, 0.3738

Rectangle

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



48.2713, 0.2445, 0.2769



48.2713, 0.2832, 0.2684



48.2713, 0.3851, 0.3771



48.2713, 0.3394, 0.3979

Sweetspot

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



48.2731, 0.2445, 0.2769



86.2275, 0.2924, 0.3157



65.3421, 0.2856, 0.4125



17.9897, 0.2889, 0.3132



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.



48.2731, 0.2445, 0.2769



53.4349, 0.2312, 0.2635



29.8899, 0.2327, 0.2080



15.3375, 0.2981, 0.3196



14.0603, 0.1876, 0.1954



1.2186, 0.1936, 0.2170

Inverse Universe

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



36.9306, 0.3575, 0.2600



38.9203, 0.3713, 0.2466



70.0226, 0.3831, 0.4262



14.5144, 0.3198, 0.3148



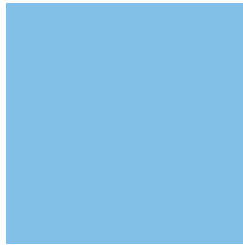
10.6171, 0.4505, 0.2255



0.8027, 0.4265, 0.2123

Previews

White Background



This preview shows how the Yxy color 48.2713, 0.2445, 0.2769 looks on a white background.

Color Contrast Check

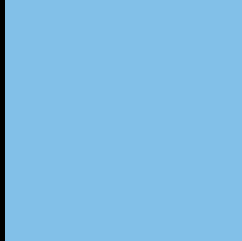
Large Text (above 18pt) WCAG AA × Fail

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 48.2713, 0.2445, 0.2769 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

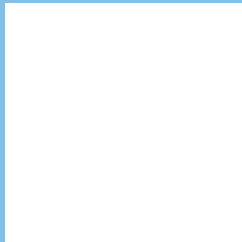
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2713, 0.2445, 0.2769

Background



This preview shows how black text looks on a background with the Yxy color 48.2713, 0.2445, 0.2769.



This preview shows how white text looks on a background with the Yxy color 48.2713, 0.2445, 0.2769.

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

48.2713, 0.2445, 0.2769

Protanopia

47.8908, 0.2752, 0.2758

Deuteranopia

47.7546, 0.2692, 0.2624



Tritanopia

48.4681, 0.2533, 0.3084

Trichromacy



Original Color

48.2713, 0.2445, 0.2769

Protanomaly

47.9883, 0.2626, 0.2759

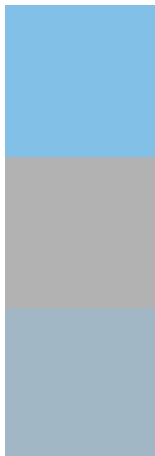
Deuteranomaly

47.5924, 0.2594, 0.2667

Tritanomaly

48.5803, 0.2498, 0.2967

Monochromacy



Original Color

48.2713, 0.2445, 0.2769

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.5213, 0.2838, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2713, 0.2445, 0.2769 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, 192, 232)` looks like.

```
.text, #text, p{  
    color:rgb(130, 192, 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, 192, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 192, 232) }
```

Border

The CSS property to change the border of an element to Yxy 48.2713, 0.2445, 0.2769 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, 192, 232) }
```

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

```
.border{ border-color:rgb(130, 192, 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, 192, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 192, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 192, 232);  
box-shadow:4px 4px 4px 4px rgb(130, 192,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2713, 0.2445, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 192, 232) }
```

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

```
.background{ background-color: rgb(130,  
192, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor