

Converting Colors

$Y_{xy}(48.0358, 0.2472, 0.2804)$

Have a look what the booklet for
Yxy(48.0358, 0.2472, 0.2804)
contains.

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Color

Yxy(48.2620, 0.2472, 0.2806)

Conversions

Conversions Part 1

Format	Color
Hex	84C0E5
RGB	132, 192, 229
RGB Percent	52%, 75%, 90%
CMY	0.4821, 0.2471, 0.1019
CMYK	0.42, 0.16, 0.00, 0.10
HSL	203°, 65%, 71%
HSV	203°, 42%, 90%
XYZ	42.5173, 48.2620, 81.2164
YIQ	178.2780, -47.6370, -1.2130

Conversions

Conversions Part 2

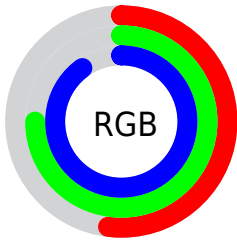
Format	Color
R_{YB}	132, 169, 229
Decimal	8700133
CIE _{Lab}	74.99, -9.80, -24.50
CIE _{LCh}	75, 26.390, 248.195
Yxy	48.2620, 0.2472, 0.2806
Android (android.graphics.Color)	4286890213 (0xFF84C0E5)
YUV	178.2780, 25.0059, -40.5858
Hunter-Lab	69.4709, -12.3290, -20.6846

Details

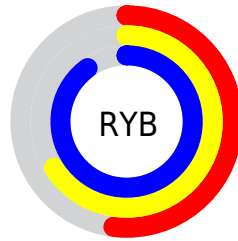
The Yxy color **48.2620, 0.2472, 0.2806** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.7401, 0.4035, 0.3720**, and the grayscale version is **44.5679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1736, 0.2740, 0.3214**, and **23.0189, 0.2305, 0.2686** is the 20% darker color. If you saturate the color by 10%, you get **42.8871, 0.2330, 0.2667**, and if you desaturate by 10%, it is **54.2742, 0.2623, 0.2937**.

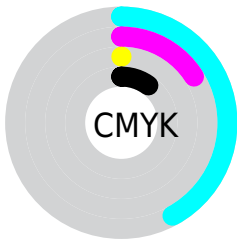
Distribution



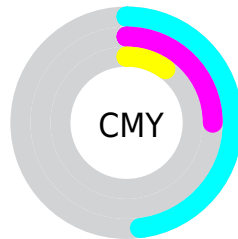
- Red (52%)
- Green (75%)
- Blue (90%)



- Red (52%)
- Yellow (66%)
- Blue (90%)



- Cyan (42%)
- Magenta (16%)
- Yellow (0%)
- Black (10%)



- Cyan (48%)
- Magenta (25%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2620, 0.2472, 0.2806 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 48.2620, 0.2472, 0.2806 by changing the saturation by 10% instead.

■ 48.2620, 0.2472,
0.2806

■ 48.2620, 0.2472,
0.2806

■ 379.8297, 0.2789,
0.3048

■ 34.0344, 0.2397,
0.2746

■ 87.5944, 0.2584,
0.2893

■ 22.9200, 0.2302,
0.2671

■ 113.4679, 0.2628,
0.2926

■ 14.5345, 0.2181,
0.2571

■ 143.9923, 0.2664,
0.2954

■ 8.4933, 0.2019,
0.2436

■ 179.5518, 0.2696,
0.2978

■ 4.4122, 0.1796,
0.2242

■ 220.5310, 0.2724,
0.2999

■ 1.9067, 0.1473,
0.1947

■ 267.3140, 0.2748,

■ 0.5524, 0.0736,

0.3017

0.1423

320.2855, 0.2770,
0.3033

0.0000, 0.0000,
0.0000

48.2620, 0.2472,
0.2806

48.2620, 0.2472,
0.2806

42.8871, 0.2330,
0.2667

54.2742, 0.2623,
0.2937

38.1133, 0.2200,
0.2522

60.9463, 0.2779,
0.3058

33.9082, 0.2087,
0.2374

68.3064, 0.2936,
0.3168

30.2333, 0.1994,
0.2225

76.3791, 0.3091,
0.3268

27.0426, 0.1923,
0.2079

85.1873, 0.3243,
0.3358

■ 24.8707, 0.1880,
0.1969

■ 91.9034, 0.3291,
0.3442

■ 97.3064, 0.3281,
0.3525

■ 98.4382, 0.3280,
0.3542

Harmonies

Analogous

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



48.2620, 0.2467, 0.3056



48.2620, 0.2472, 0.2806



48.2620, 0.2639, 0.2698

Triad

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



48.2620, 0.2472, 0.2806



48.2620, 0.3643, 0.3159



48.2620, 0.3283, 0.3924

Complementary

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



48.2620, 0.2472, 0.2806



46.7401, 0.4035, 0.3720

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.



48.2620, 0.3616, 0.3916



48.2620, 0.2472, 0.2806



48.2620, 0.3835, 0.3457

Square

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



48.2620, 0.2472, 0.2806



48.2620, 0.3308, 0.2902



48.2620, 0.3822, 0.3735



48.2620, 0.2922, 0.3731

Rectangle

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



48.2620, 0.2472, 0.2806



48.2620, 0.2827, 0.2708



48.2620, 0.3822, 0.3735



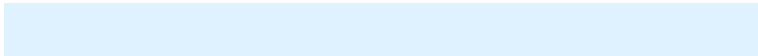
48.2620, 0.3402, 0.3944

Sweetspot

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



48.2638, 0.2472, 0.2806



86.4322, 0.2924, 0.3160



63.7728, 0.2873, 0.4110



18.0404, 0.2890, 0.3137



0.0000, 0.0000, 0.0000



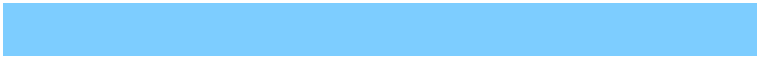
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2638, 0.2472, 0.2806



55.3971, 0.2344, 0.2682



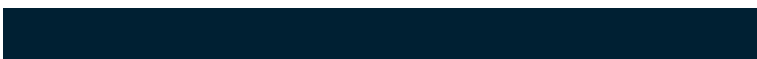
30.8176, 0.2365, 0.2156



15.3632, 0.2981, 0.3198



14.4568, 0.1887, 0.1991



1.2465, 0.1945, 0.2201

Inverse Universe

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



36.9868, 0.3542, 0.2615



40.3383, 0.3668, 0.2481



67.4877, 0.3812, 0.4212



14.5170, 0.3196, 0.3146



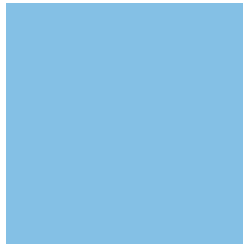
10.6571, 0.4463, 0.2232



0.8055, 0.4231, 0.2104

Previews

White Background



This preview shows how the Yxy color 48.2620, 0.2472, 0.2806 looks on a white background.

Color Contrast Check

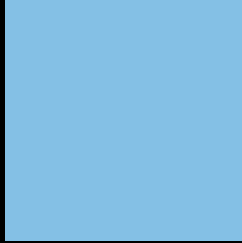
Large Text (above 18pt) WCAG AA × Fail

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 48.2620, 0.2472, 0.2806 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

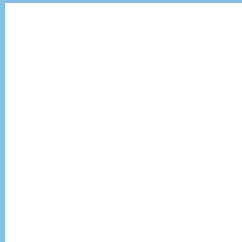
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2620, 0.2472, 0.2806

Background



This preview shows how black text looks on a background with the Yxy color 48.2620, 0.2472, 0.2806.



This preview shows how white text looks on a background with the Yxy color 48.2620, 0.2472, 0.2806.

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

48.2620, 0.2472, 0.2806

Protanopia

47.8438, 0.2779, 0.2793

Deuteranopia

47.8158, 0.2726, 0.2659



Tritanopia

48.2454, 0.2548, 0.3071

Trichromacy



Original Color

48.2620, 0.2472, 0.2806

Protanomaly

47.9250, 0.2651, 0.2795

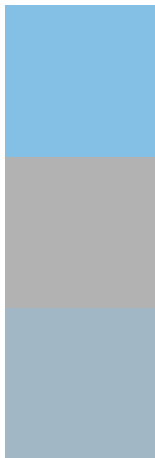
Deuteranomaly

47.6276, 0.2625, 0.2702

Tritanomaly

48.3127, 0.2518, 0.2967

Monochromacy



Original Color

48.2620, 0.2472, 0.2806

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.4753, 0.2845, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2620, 0.2472, 0.2806 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(132, 192, 229)` looks like.

```
.text, #text, p{  
    color:rgb(132, 192, 229)  
}
```

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(132, 192, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 192, 229) }
```

Border

The CSS property to change the border of an element to Yxy 48.2620, 0.2472, 0.2806 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(132, 192, 229) }
```

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

```
.border{ border-color:rgb(132, 192, 229) }
```

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

Here you see how a box with a 4 pixel rgb(132, 192, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 192, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 192, 229);  
box-shadow:4px 4px 4px 4px rgb(132, 192,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2620, 0.2472, 0.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 192, 229) }
```

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

```
.background{ background-color: rgb(132,  
192, 229) }
```

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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