

Converting Colors

$Yxy(47.9743, 0.2405, 0.2720)$

Have a look what the booklet for
Yxy(47.9743, 0.2405, 0.2720)
contains.

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Color

Yxy(48.1331, 0.2409, 0.2731)

Conversions

Conversions Part 1

Format	Color
Hex	7EC0EB
RGB	126, 192, 235
RGB Percent	49%, 75%, 92%
CMY	0.5056, 0.2471, 0.0784
CMYK	0.46, 0.18, 0.00, 0.08
HSL	204°, 73%, 71%
HSV	204°, 46%, 92%
XYZ	42.4579, 48.1331, 85.6561
YIQ	177.1680, -53.1390, -0.6190

Conversions

Conversions Part 2

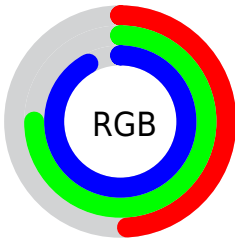
Format	Color
R_{YB}	126, 167, 235
Decimal	8306923
CIE _{Lab}	74.91, -9.63, -27.89
CIE _{LCh}	75, 29.504, 250.948
Y _{xy}	48.1331, 0.2409, 0.2731
Android (android.graphics.Color)	4286497003 (0xFF7EC0EB)
YUV	177.1680, 28.5112, -44.8743
Hunter-Lab	69.3780, -12.1732, -24.6365

Details

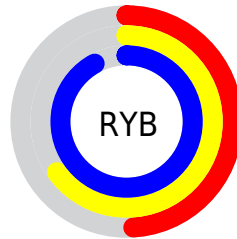
The Yxy color **48.1331, 0.2409, 0.2731** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.5834, 0.4145, 0.3776**, and the grayscale version is **43.9369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4221, 0.2708, 0.3213**, and **22.9489, 0.2226, 0.2586** is the 20% darker color. If you saturate the color by 10%, you get **42.6042, 0.2269, 0.2584**, and if you desaturate by 10%, it is **54.3423, 0.2559, 0.2870**.

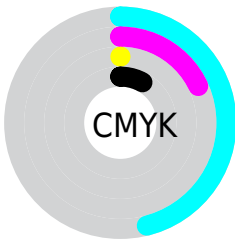
Distribution



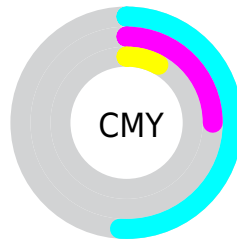
- Red (49%)
- Green (75%)
- Blue (92%)



- Red (49%)
- Yellow (65%)
- Blue (92%)



- Cyan (46%)
- Magenta (18%)
- Yellow (0%)
- Black (8%)



- Cyan (51%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1331, 0.2409, 0.2731 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 48.1331, 0.2409, 0.2731 by changing the saturation by 10% instead.

■ 48.1331, 0.2409,
0.2731

■ 48.1331, 0.2409,
0.2731

■ 379.3195, 0.2755,
0.3009

■ 33.9323, 0.2327,
0.2663

■ 87.4025, 0.2531,
0.2831

■ 22.8416, 0.2225,
0.2577

■ 113.2400, 0.2578,
0.2869

■ 14.4766, 0.2094,
0.2465

■ 143.7251, 0.2619,
0.2901

■ 8.4529, 0.1922,
0.2314

■ 179.2423, 0.2653,
0.2929

■ 4.3861, 0.1687,
0.2100

■ 220.1759, 0.2684,
0.2953

■ 1.8918, 0.1353,
0.1783

■ 266.9104, 0.2710,

■ 0.5434, 0.0642,

0.2974

0.1240

319.8301, 0.2734,
0.2992

0.0000, 0.0000,
0.0000

48.1331, 0.2409,
0.2731

48.1331, 0.2409,
0.2731

42.6042, 0.2269,
0.2584

54.3423, 0.2559,
0.2870

37.7158, 0.2144,
0.2432

61.2578, 0.2715,
0.3000

33.4309, 0.2037,
0.2277

68.9107, 0.2872,
0.3119

29.7052, 0.1951,
0.2123

77.3281, 0.3029,
0.3227

26.4843, 0.1887,
0.1974

86.5356, 0.3183,
0.3324

■ 25.4045, 0.1867,
0.1920

■ 94.1938, 0.3251,
0.3413

■ 98.7787, 0.3244,
0.3483

Harmonies

Analogous

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



48.1331, 0.2387, 0.2993



48.1331, 0.2409, 0.2731



48.1331, 0.2608, 0.2630

Triad

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



48.1331, 0.2409, 0.2731



48.1331, 0.3733, 0.3171



48.1331, 0.3261, 0.3994

Complementary

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



48.1331, 0.2409, 0.2731



47.5834, 0.4145, 0.3776

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.



48.1331, 0.3641, 0.4000



48.1331, 0.2409, 0.2731



48.1331, 0.3929, 0.3502

Square

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



48.1331, 0.2409, 0.2731



48.1331, 0.3366, 0.2882



48.1331, 0.3891, 0.3806



48.1331, 0.2861, 0.3757

Rectangle

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



48.1331, 0.2409, 0.2731



48.1331, 0.2825, 0.2652



48.1331, 0.3891, 0.3806



48.1331, 0.3396, 0.4022

Sweetspot

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



48.1349, 0.2409, 0.2731



85.1790, 0.2909, 0.3145



66.6842, 0.2845, 0.4181



17.7783, 0.2874, 0.3120



0.0000, 0.0000, 0.0000



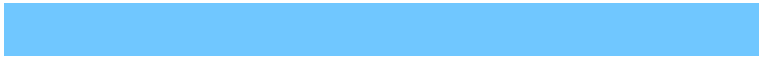
21.4041, 0.3127, 0.3290

Same Dimension

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



48.1349, 0.2409, 0.2731



51.3438, 0.2271, 0.2586



28.8431, 0.2277, 0.2002



16.0655, 0.2981, 0.3195



14.3934, 0.1873, 0.1944



1.3170, 0.1931, 0.2150

Inverse Universe

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



36.4102, 0.3613, 0.2567



36.9978, 0.3765, 0.2430



71.5742, 0.3870, 0.4312



15.2072, 0.3198, 0.3148



10.9458, 0.4517, 0.2262



0.8784, 0.4287, 0.2135

Previews

White Background



This preview shows how the Yxy color 48.1331, 0.2409, 0.2731 looks on a white background.

Color Contrast Check

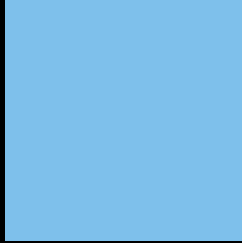
Large Text (above 18pt) WCAG AA × Fail

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 48.1331, 0.2409, 0.2731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

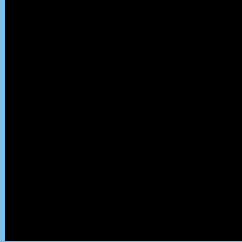
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

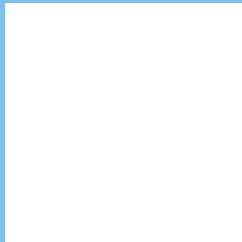
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1331, 0.2409, 0.2731

Background



This preview shows how black text looks on a background with the Yxy color 48.1331, 0.2409, 0.2731.



This preview shows how white text looks on a background with the Yxy color 48.1331, 0.2409, 0.2731.

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

48.1331, 0.2409, 0.2731

Protanopia

47.9416, 0.2725, 0.2723

Deuteranopia

47.6998, 0.2659, 0.2590



Tritanopia

48.1553, 0.2500, 0.3069

Trichromacy



Original Color

48.1331, 0.2409, 0.2731

Protanomaly

47.9553, 0.2595, 0.2723

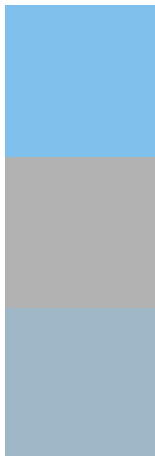
Deuteranomaly

47.4633, 0.2557, 0.2630

Tritanomaly

48.3351, 0.2472, 0.2953

Monochromacy



Original Color

48.1331, 0.2409, 0.2731

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.8022, 0.2815, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1331, 0.2409, 0.2731 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(126, 192, 235)` looks like.

```
.text, #text, p{  
    color:rgb(126, 192, 235)  
}
```

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(126, 192, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 192, 235) }
```

Border

The CSS property to change the border of an element to Yxy 48.1331, 0.2409, 0.2731 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(126, 192, 235) }
```

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

```
.border{ border-color:rgb(126, 192, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 192, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 192, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 192, 235);  
box-shadow:4px 4px 4px 4px rgb(126, 192,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1331, 0.2409, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 192, 235) }
```

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

```
.background{ background-color: rgb(126,  
192, 235) }
```

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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