

Converting Colors

$Y_{xy}(48.2781, 0.2487, 0.2979)$

Have a look what the booklet for
Yxy(48.2781, 0.2487, 0.2979)
contains.

Yxy(48.3031, 0.2487, 0.2979)	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(48.3031, 0.2487, 0.2979)

Conversions

Conversions Part 1

Format	Color
Hex	7BC3DA
RGB	123, 195, 218
RGB Percent	48%, 76%, 85%
CMY	0.5180, 0.2352, 0.1452
CMYK	0.44, 0.11, 0.00, 0.15
HSL	194°, 56%, 67%
HSV	194°, 44%, 85%
XYZ	40.3255, 48.3031, 73.5167
YIQ	176.0940, -50.2950, -8.1110

Conversions

Conversions Part 2

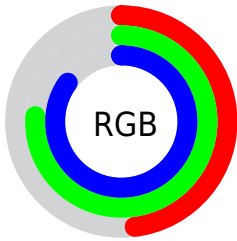
Format	Color
R _{YB}	123, 164, 218
Decimal	8111066
CIE _{Lab}	75.02, -16.60, -18.53
CIE _{LCh}	75, 24.882, 228.149
Yxy	48.3031, 0.2487, 0.2979
Android (android.graphics.Color)	4286301146 (0xFF7BC3DA)
YUV	176.0940, 20.6597, -46.5634
Hunter-Lab	69.5004, -18.0565, -14.0659

Details

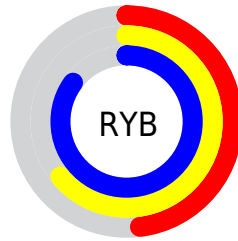
The Yxy color **48.3031, 0.2487, 0.2979** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.8460, 0.4143, 0.3572**, and the grayscale version is **43.3668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5441, 0.2697, 0.3256**, and **22.8523, 0.2317, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **44.5559, 0.2364, 0.2894**, and if you desaturate by 10%, it is **52.4950, 0.2623, 0.3060**.

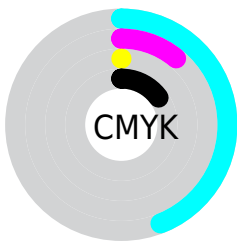
Distribution



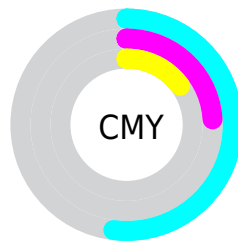
- Red (48%)
- Green (76%)
- Blue (85%)



- Red (48%)
- Yellow (64%)
- Blue (85%)



- Cyan (44%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)



- Cyan (52%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3031, 0.2487, 0.2979 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 48.3031, 0.2487, 0.2979 by changing the saturation by 10% instead.

■ 48.3031, 0.2487,
0.2979

■ 48.3031, 0.2487,
0.2979

■ 379.9923, 0.2797,
0.3139

■ 34.0670, 0.2413,
0.2938

■ 87.6555, 0.2597,
0.3038

■ 22.9451, 0.2320,
0.2885

■ 113.5406, 0.2639,
0.3060

■ 14.5529, 0.2200,
0.2814

■ 144.0775, 0.2675,
0.3078

■ 8.5062, 0.2039,
0.2715

■ 179.6505, 0.2706,
0.3094

■ 4.4206, 0.1815,
0.2567

■ 220.6441, 0.2733,
0.3108

■ 1.9115, 0.1486,
0.2327

■ 267.4427, 0.2757,

■ 0.5553, 0.0420,

0.3119

0.1906

320.4306, 0.2778,
0.3130

0.0000, 0.0000,
0.0000

48.3031, 0.2487,
0.2979

48.3031, 0.2487,
0.2979

44.5559, 0.2364,
0.2894

52.4950, 0.2623,
0.3060

41.2230, 0.2256,
0.2806

57.1486, 0.2767,
0.3135

38.2783, 0.2167,
0.2716

62.2868, 0.2918,
0.3205

35.6897, 0.2097,
0.2626

67.9289, 0.3071,
0.3268

33.4187, 0.2047,
0.2537

74.0934, 0.3225,
0.3326

■ 32.0953, 0.2022,
0.2480

■ 80.7975, 0.3376,
0.3377

■ 83.9624, 0.3378,
0.3429

■ 86.9685, 0.3371,
0.3481

■ 90.0642, 0.3363,
0.3532

Harmonies

Analogous

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



48.3031, 0.2589, 0.3282



48.3031, 0.2487, 0.2979



48.3031, 0.2544, 0.2784

Triad

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



48.3031, 0.2487, 0.2979



48.3031, 0.3412, 0.2996



48.3031, 0.3494, 0.3903

Complementary

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



48.3031, 0.2487, 0.2979



36.8460, 0.4143, 0.3572

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.



48.3031, 0.3736, 0.3781



48.3031, 0.2487, 0.2979



48.3031, 0.3692, 0.3259

Square

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



48.3031, 0.2487, 0.2979



48.3031, 0.3063, 0.2806



48.3031, 0.3812, 0.3542



48.3031, 0.3161, 0.3845

Rectangle

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



48.3031, 0.2487, 0.2979



48.3031, 0.2666, 0.2730



48.3031, 0.3812, 0.3542



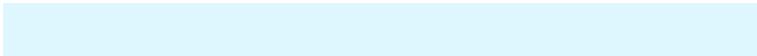
48.3031, 0.3589, 0.3880

Sweetspot

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



48.3050, 0.2487, 0.2979



89.2440, 0.2926, 0.3208



56.3857, 0.2940, 0.4324



18.7377, 0.2892, 0.3193



0.0000, 0.0000, 0.0000



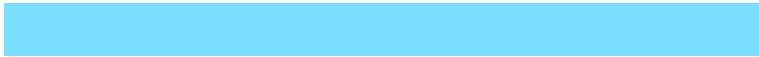
21.4041, 0.3127, 0.3290

Same Dimension

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



48.3050, 0.2487, 0.2979



64.1503, 0.2377, 0.2904



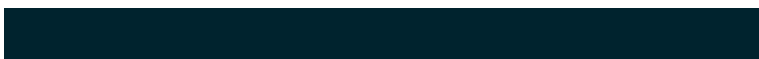
30.5248, 0.2372, 0.2303



14.2689, 0.2982, 0.3232



19.4065, 0.2026, 0.2494



1.3877, 0.2066, 0.2638

Inverse Universe

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



32.9852, 0.3410, 0.2454



40.6040, 0.3487, 0.2300



54.3068, 0.3892, 0.4106



13.2183, 0.3174, 0.3114



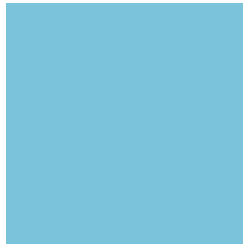
10.5829, 0.3929, 0.1938



0.6988, 0.3787, 0.1860

Previews

White Background



This preview shows how the Yxy color 48.3031, 0.2487, 0.2979 looks on a white background.

Color Contrast Check

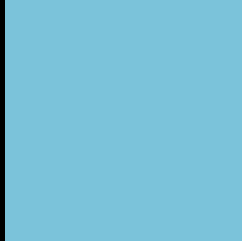
Large Text (above 18pt) WCAG AA × Fail

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 48.3031, 0.2487, 0.2979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

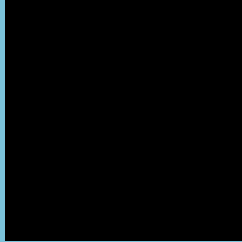
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3031, 0.2487, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 48.3031, 0.2487, 0.2979.



This preview shows how white text looks on a background with the Yxy color 48.3031, 0.2487, 0.2979.

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

48.3031, 0.2487, 0.2979

Protanopia

47.6927, 0.2892, 0.2938

Deuteranopia

47.9303, 0.2845, 0.2788



Tritanopia

48.2983, 0.2511, 0.3070

Trichromacy



Original Color

48.3031, 0.2487, 0.2979

Protanomaly

47.7157, 0.2727, 0.2952

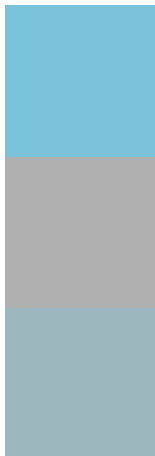
Deuteranomaly

47.4423, 0.2694, 0.2842

Tritanomaly

48.4725, 0.2506, 0.3044

Monochromacy



Original Color

48.3031, 0.2487, 0.2979

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.7967, 0.2857, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3031, 0.2487, 0.2979 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(123, 195, 218)` looks like.

```
.text, #text, p{  
    color:rgb(123, 195, 218)  
}
```

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(123, 195, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 195, 218) }
```

Border

The CSS property to change the border of an element to Yxy 48.3031, 0.2487, 0.2979 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(123, 195, 218) }
```

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

```
.border{ border-color:rgb(123, 195, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 195, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 195, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 195, 218);  
box-shadow:4px 4px 4px 4px rgb(123, 195,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3031, 0.2487, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 195, 218) }
```

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

```
.background{ background-color: rgb(123,  
195, 218) }
```

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