

Converting Colors

$Y_{xy}(49.0345, 0.2533, 0.3106)$

Have a look what the booklet for
Yxy(49.0345, 0.2533, 0.3106)
contains.

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Color

Yxy(48.8466, 0.2530, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	7BC5D3
RGB	123, 197, 211
RGB Percent	48%, 77%, 83%
CMY	0.5176, 0.2274, 0.1727
CMYK	0.42, 0.07, 0.00, 0.17
HSL	190°, 50%, 65%
HSV	190°, 42%, 83%
XYZ	39.8909, 48.8466, 68.9339
YIQ	176.4700, -48.5980, -11.3340

Conversions

Conversions Part 2

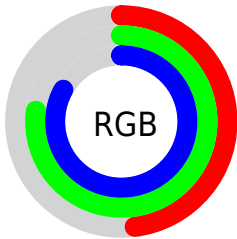
Format	Color
R_{YB}	123, 163, 211
Decimal	8111571
CIE _{Lab}	75.36, -19.42, -14.22
CIE _{LCh}	75, 24.073, 216.217
Yxy	48.8466, 0.2530, 0.3098
Android (android.graphics.Color)	4286301651 (0xFF7BC5D3)
YUV	176.4700, 17.0233, -46.8932
Hunter-Lab	69.8903, -20.4268, -9.5554

Details

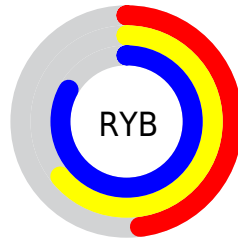
The Yxy color **48.8466, 0.2530, 0.3098** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.1617, 0.4118, 0.3469**, and the grayscale version is **43.6046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6873, 0.2695, 0.3278**, and **23.2385, 0.2375, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **45.9518, 0.2414, 0.3044**, and if you desaturate by 10%, it is **52.1143, 0.2660, 0.3149**.

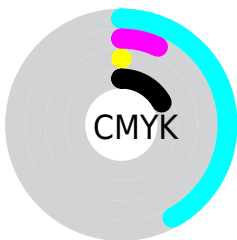
Distribution



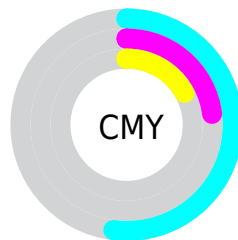
- Red (48%)
- Green (77%)
- Blue (83%)



- Red (48%)
- Yellow (64%)
- Blue (83%)



- Cyan (42%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)



- Cyan (52%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8466, 0.2530, 0.3098 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 48.8466, 0.2530, 0.3098 by changing the saturation by 10% instead.

■ 48.8466, 0.2530,
0.3098

■ 48.8466, 0.2530,
0.3098

■ 382.1381, 0.2820,
0.3199

■ 34.4978, 0.2461,
0.3071

■ 88.4636, 0.2633,
0.3136

■ 23.2763, 0.2373,
0.3036

■ 114.5006, 0.2673,
0.3150

■ 14.7977, 0.2260,
0.2989

■ 145.2024, 0.2706,
0.3161

■ 8.6775, 0.2108,
0.2921

■ 180.9535, 0.2735,
0.3171

■ 4.5314, 0.1893,
0.2816

■ 222.1382, 0.2760,
0.3180

■ 1.9751, 0.1574,
0.2638

■ 269.1409, 0.2783,

■ 0.5929, 0.0359,

0.3187

0.2379

322.3461, 0.2802,
0.3194

0.0000, 0.0000,
0.0000

48.8466, 0.2530,
0.3098

48.8466, 0.2530,
0.3098

45.9518, 0.2414,
0.3044

52.1143, 0.2660,
0.3149

43.4022, 0.2314,
0.2989

55.7692, 0.2800,
0.3198

41.1752, 0.2233,
0.2932

59.8316, 0.2948,
0.3242

39.2427, 0.2171,
0.2875

64.3189, 0.3101,
0.3283

37.5711, 0.2128,
0.2818

69.2471, 0.3256,
0.3321

■ 36.3321, 0.2103,
0.2772

■ 74.6316, 0.3410,
0.3354

■ 77.3872, 0.3445,
0.3387

■ 79.1682, 0.3439,
0.3420

■ 80.9847, 0.3433,
0.3454

Harmonies

Analogous

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



48.8466, 0.2687, 0.3411



48.8466, 0.2530, 0.3098



48.8466, 0.2524, 0.2862

Triad

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



48.8466, 0.2530, 0.3098



48.8466, 0.3270, 0.2922



48.8466, 0.3589, 0.3852

Complementary

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



48.8466, 0.2530, 0.3098



33.1617, 0.4118, 0.3469

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.



48.8466, 0.3766, 0.3683



48.8466, 0.2530, 0.3098



48.8466, 0.3579, 0.3154

Square

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



48.8466, 0.2530, 0.3098



48.8466, 0.2936, 0.2777



48.8466, 0.3764, 0.3427



48.8466, 0.3293, 0.3869

Rectangle

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



48.8466, 0.2530, 0.3098



48.8466, 0.2604, 0.2773



48.8466, 0.3764, 0.3427



48.8466, 0.3665, 0.3810

Sweetspot

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



48.8485, 0.2530, 0.3098



90.9332, 0.2927, 0.3236



52.5699, 0.2990, 0.4377



19.1581, 0.2893, 0.3226



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.



48.8485, 0.2530, 0.3098



71.0464, 0.2427, 0.3050



31.9595, 0.2428, 0.2467



13.0740, 0.2983, 0.3252



22.0582, 0.2106, 0.2780



1.3212, 0.2134, 0.2883

Inverse Universe

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



32.0462, 0.3316, 0.2414



42.5522, 0.3367, 0.2244



47.9932, 0.3889, 0.3989



11.9755, 0.3162, 0.3097



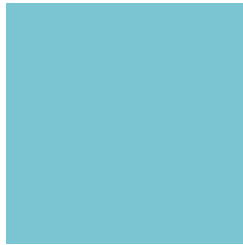
10.2981, 0.3653, 0.1786



0.5847, 0.3558, 0.1734

Previews

White Background



This preview shows how the Yxy color 48.8466, 0.2530, 0.3098 looks on a white background.

Color Contrast Check

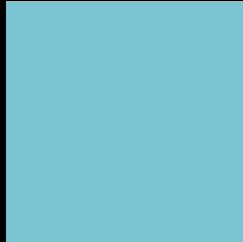
Large Text (above 18pt) WCAG AA × Fail

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 48.8466, 0.2530, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

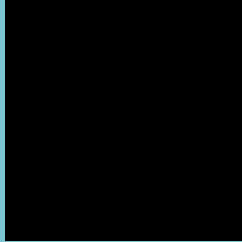
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.8466, 0.2530, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 48.8466, 0.2530, 0.3098.



This preview shows how white text looks on a background with the Yxy color 48.8466, 0.2530, 0.3098.

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

48.8466, 0.2530, 0.3098

Protanopia

48.1985, 0.2982, 0.3050

Deuteranopia

48.2402, 0.2926, 0.2862



Tritanopia

48.9476, 0.2519, 0.3071

Trichromacy



Original Color

48.8466, 0.2530, 0.3098

Protanomaly

47.9513, 0.2795, 0.3067

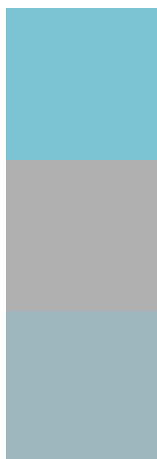
Deuteranomaly

47.8654, 0.2755, 0.2930

Tritanomaly

48.8969, 0.2524, 0.3084

Monochromacy



Original Color

48.8466, 0.2530, 0.3098

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.1232, 0.2872, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8466, 0.2530, 0.3098 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, 197, 211)` looks like.

```
.text, #text, p{  
    color:rgb(123, 197, 211)  
}
```

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, 197, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 197, 211) }
```

Border

The CSS property to change the border of an element to Yxy 48.8466, 0.2530, 0.3098 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, 197, 211) }
```

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

```
.border{ border-color:rgb(123, 197, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 197, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 197, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 197, 211); box-shadow:4px 4px 4px 4px rgb(123, 197, 211) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8466, 0.2530, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 197, 211) }
```

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

```
.background{ background-color: rgb(123,  
197, 211) }
```

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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