

Converting Colors

Yxy(48.9326, 0.2749, 0.3133)

Have a look what the booklet for
Yxy(48.9326, 0.2749, 0.3133)
contains.

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Color

Yxy(48.8312, 0.2749, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	99C0CC
RGB	153, 192, 204
RGB Percent	60%, 75%, 80%
CMY	0.3999, 0.2471, 0.2000
CMYK	0.25, 0.06, 0.00, 0.20
HSL	194°, 33%, 70%
HSV	194°, 25%, 80%
XYZ	42.8872, 48.8312, 64.2918
YIQ	181.7070, -27.0960, -4.5360

Conversions

Conversions Part 2

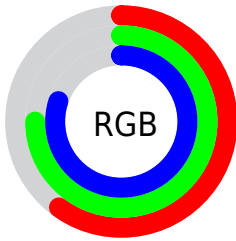
Format	Color
R _{YB}	153, 175, 204
Decimal	10076364
CIE Lab	75.35, -10.23, -10.29
CIE LCh	75, 14.515, 225.174
Yxy	48.8312, 0.2749, 0.3130
Android (android.graphics.Color)	4288266444 (0xFF99C0CC)
YUV	181.7070, 10.9904, -25.1760
Hunter-Lab	69.8793, -12.7376, -5.6337

Details

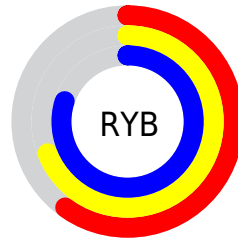
The Yxy color **48.8312, 0.2749, 0.3130** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.0533, 0.3613, 0.3444**, and the grayscale version is **46.5639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7647, 0.2845, 0.3217**, and **23.4339, 0.2650, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **44.9404, 0.2606, 0.3056**, and if you desaturate by 10%, it is **53.1341, 0.2898, 0.3198**.

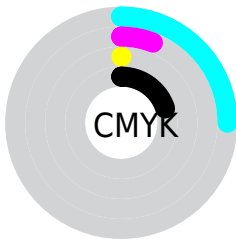
Distribution



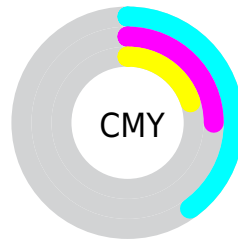
- Red (60%)
- Green (75%)
- Blue (80%)



- Red (60%)
- Yellow (69%)
- Blue (80%)



- Cyan (25%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)





- Cyan (40%)
- Magenta (25%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.8312, 0.2749, 0.3130 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 48.8312, 0.2749, 0.3130 by changing the saturation by 10% instead.


 48.8312, 0.2749,
0.3130

 48.8312, 0.2749,
0.3130


382.0774, 0.2934,
0.3212

 34.4856, 0.2704,
0.3109


 88.4407, 0.2815,
0.3160

 23.2669, 0.2647,
0.3082


 114.4734, 0.2841,
0.3171

 14.7907, 0.2572,
0.3046


145.1705, 0.2862,
0.3181

 8.6726, 0.2470,
0.2995

180.9166, 0.2881,
0.3189

 4.5283, 0.2322,
0.2917

222.0959, 0.2897,
0.3196

 1.9732, 0.2092,
0.2787

269.0929, 0.2911,

 0.5919, 0.1344,

0.3202

0.2544

322.2919, 0.2923,
0.3207

0.0000, 0.0000,
0.0000

48.8312, 0.2749,
0.3130

48.8312, 0.2749,
0.3130

44.9404, 0.2606,
0.3056

53.1341, 0.2898,
0.3198

41.4379, 0.2473,
0.2978

57.8599, 0.3051,
0.3261

38.3062, 0.2353,
0.2895

63.0261, 0.3204,
0.3318

35.5239, 0.2249,
0.2809

68.6475, 0.3355,
0.3368

33.0671, 0.2163,
0.2722

74.7354, 0.3503,
0.3413

■ 30.9081, 0.2096,
0.2635

■ 77.2318, 0.3494,
0.3462

■ 29.0133, 0.2049,
0.2549

■ 79.8008, 0.3484,
0.3509

■ 28.1327, 0.2029,
0.2506

■ 82.4427, 0.3475,
0.3557

■ 85.1584, 0.3466,
0.3604

Harmonies

Analogous

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



48.8312, 0.2821, 0.3309



48.8312, 0.2749, 0.3130



48.8312, 0.2774, 0.3003

Triad

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



48.8312, 0.2749, 0.3130



48.8312, 0.3275, 0.3102



48.8312, 0.3361, 0.3641

Complementary

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



48.8312, 0.2749, 0.3130



42.0533, 0.3613, 0.3444

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.



48.8312, 0.3491, 0.3571



48.8312, 0.2749, 0.3130



48.8312, 0.3441, 0.3260

Square

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



48.8312, 0.2749, 0.3130



48.8312, 0.3073, 0.2992



48.8312, 0.3521, 0.3430



48.8312, 0.3171, 0.3613

Rectangle

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



48.8312, 0.2749, 0.3130



48.8312, 0.2843, 0.2961



48.8312, 0.3521, 0.3430



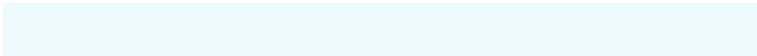
48.8312, 0.3414, 0.3628

Sweetspot

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



48.8332, 0.2749, 0.3130



94.1191, 0.3019, 0.3248



52.6735, 0.3014, 0.3825



20.0405, 0.3009, 0.3245



0.0000, 0.0000, 0.0000



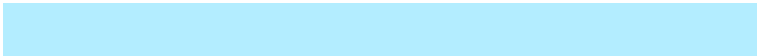
21.4041, 0.3127, 0.3290

Same Dimension

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



48.8332, 0.2749, 0.3130



77.3098, 0.2671, 0.3091



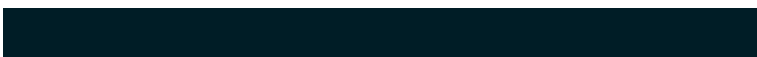
38.6283, 0.2718, 0.2779



12.2620, 0.2983, 0.3234



17.8556, 0.2033, 0.2518



1.0325, 0.2080, 0.2686

Inverse Universe

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



39.4304, 0.3265, 0.2810



59.4143, 0.3302, 0.2704



52.1405, 0.3539, 0.3754



11.3568, 0.3173, 0.3114



9.6055, 0.3905, 0.1925



0.5068, 0.3741, 0.1835

Previews

White Background



This preview shows how the Yxy color 48.8312, 0.2749, 0.3130 looks on a white background.

Color Contrast Check

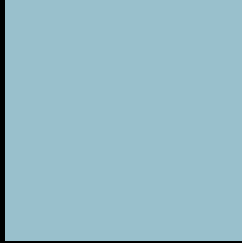
Large Text (above 18pt) WCAG AA × Fail

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 48.8312, 0.2749, 0.3130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

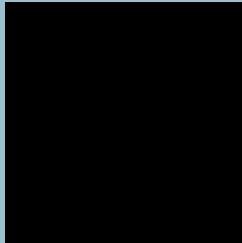
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

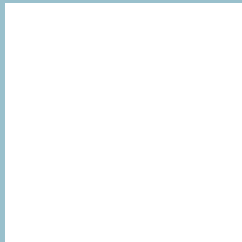
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.8312, 0.2749, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 48.8312, 0.2749, 0.3130.



This preview shows how white text looks on a background with the Yxy color 48.8312, 0.2749, 0.3130.

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

48.8312, 0.2749, 0.3130

Protanopia

48.5948, 0.3012, 0.3100

Deuteranopia

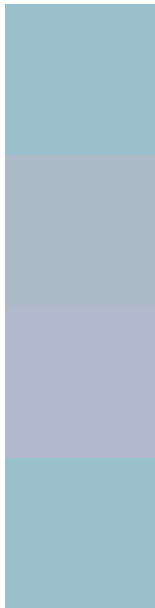
48.4362, 0.3034, 0.2971



Tritanopia

49.0743, 0.2737, 0.3092

Trichromacy



Original Color

48.8312, 0.2749, 0.3130

Protanomaly

48.6419, 0.2912, 0.3109

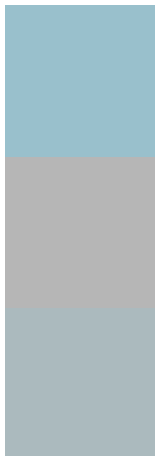
Deuteranomaly

48.1537, 0.2921, 0.3023

Tritanomaly

49.0255, 0.2743, 0.3105

Monochromacy



Original Color

48.8312, 0.2749, 0.3130

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.4934, 0.2975, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.8312, 0.2749, 0.3130 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(153, 192, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 192, 204)  
}
```

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(153, 192, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 192, 204) }
```

Border

The CSS property to change the border of an element to Yxy 48.8312, 0.2749, 0.3130 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(153, 192, 204) }
```

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

```
.border{ border-color:rgb(153, 192, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 192, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 192, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 192, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 192,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 48.8312, 0.2749, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 192, 204) }
```

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

```
.background{ background-color: rgb(153,  
192, 204) }
```

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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