

Converting Colors

$Y_{xy}(49.1827, 0.2375, 0.3706)$

Have a look what the booklet for
Yxy(49.1827, 0.2375, 0.3706)
contains.

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Color

Yxy(49.1069, 0.2374, 0.3701)

Conversions

Conversions Part 1

Format	Color
Hex	12D1B6
RGB	18, 209, 182
RGB Percent	7%, 82%, 71%
CMY	0.9278, 0.1804, 0.2862
CMYK	0.91, 0.00, 0.13, 0.18
HSL	172°, 84%, 45%
HSV	172°, 91%, 82%
XYZ	31.4995, 49.1069, 52.0791
YIQ	148.8130, -105.1690, -48.8890

Conversions

Conversions Part 2

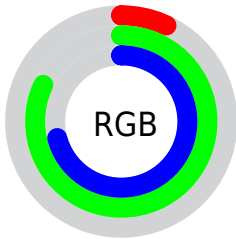
Format	Color
RYB	18, 121, 209
Decimal	1233334
CIELab	75.52, -48.46, 1.38
CIELCh	76, 48.480, 178.370
Yxy	49.1069, 0.2374, 0.3701
Android (android.graphics.Color)	4279423414 (0xFF12D1B6)
YUV	148.8130, 16.3612, -114.7230
Hunter-Lab	70.0763, -42.3972, 4.9905

Details

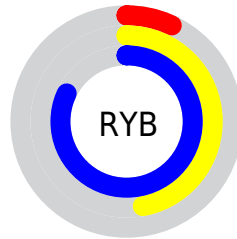
The Yxy color **49.1069, 0.2374, 0.3701** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **14.1931, 0.5995, 0.3152**, and the grayscale version is **29.9886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9443, 0.2479, 0.3490**, and **24.3674, 0.2385, 0.3785** is the 20% darker color. If you saturate the color by 10%, you get **48.8694, 0.2374, 0.3745**, and if you desaturate by 10%, it is **49.5373, 0.2388, 0.3651**.

Distribution



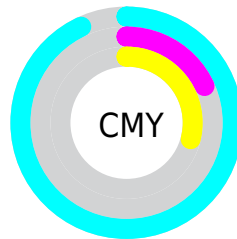
- Red (7%)
- Green (82%)
- Blue (71%)



- Red (7%)
- Yellow (47%)
- Blue (82%)



- Cyan (91%)
- Magenta (0%)
- Yellow (13%)
- Black (18%)





- Cyan (93%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1069, 0.2374, 0.3701 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 49.1069, 0.2374, 0.3701 by changing the saturation by 10% instead.


 49.1069, 0.2374,
0.3701


 49.1069, 0.2374,
0.3701


383.1630, 0.2744,
0.3498


 34.7043, 0.2284,
0.3751


 88.8502, 0.2507,
0.3628

 23.4352, 0.2170,
0.3814


 114.9597, 0.2557,
0.3600

 14.9152, 0.2022,
0.3898


 145.7402, 0.2600,
0.3576

 8.7599, 0.1822,
0.4011

 181.5763, 0.2637,
0.3556

 4.5849, 0.1538,
0.4174

 222.8522, 0.2669,
0.3539

 2.0058, 0.1005,
0.4480

269.9523, 0.2697,

 0.6109, 0.0000,

0.3523

0.5179

323.2611, 0.2722,
0.3510

■ 0.0000, 0.0000,
0.0000

■ 49.1069, 0.2374,
0.3701

■ 49.1069, 0.2374,
0.3701

■ 48.8694, 0.2374,
0.3745

■ 49.5373, 0.2388,
0.3651

■ 50.1933, 0.2421,
0.3601

■ 51.1091, 0.2473,
0.3551

■ 52.3118, 0.2544,
0.3503

■ 53.8248, 0.2633,
0.3455

■ 55.6695, 0.2736,
0.3411

■ 57.8649, 0.2853,
0.3369

■ 60.4291, 0.2978,
0.3330

■ 63.3784, 0.3111,
0.3294

Harmonies

Analogous

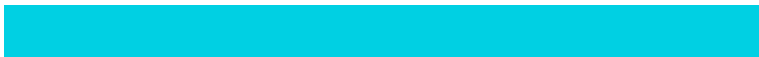
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.1069, 0.2934, 0.4301



49.1069, 0.2374, 0.3701



49.1069, 0.2035, 0.3018

Triad

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



49.1069, 0.2374, 0.3701



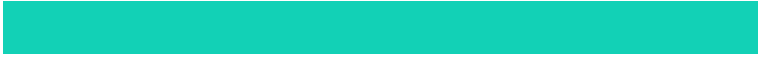
49.1069, 0.2585, 0.2294



49.1069, 0.4435, 0.3869

Complementary

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



49.1069, 0.2374, 0.3701



14.1931, 0.5995, 0.3152

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.



49.1069, 0.4352, 0.3365



49.1069, 0.2374, 0.3701



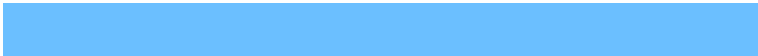
49.1069, 0.3214, 0.2509

Square

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



49.1069, 0.2374, 0.3701



49.1069, 0.2151, 0.2287



49.1069, 0.3885, 0.2888



49.1069, 0.4135, 0.4305

Rectangle

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



49.1069, 0.2374, 0.3701



49.1069, 0.1958, 0.2659



49.1069, 0.3885, 0.2888



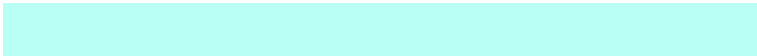
49.1069, 0.4454, 0.3703

Sweetspot

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



49.1088, 0.2374, 0.3701



88.5859, 0.2780, 0.3394



46.2477, 0.3065, 0.5886



18.7183, 0.2741, 0.3409



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.



49.1088, 0.2374, 0.3701



76.6289, 0.2375, 0.3750



24.1683, 0.1962, 0.2207



13.3771, 0.3002, 0.3323



30.1442, 0.2372, 0.3737



1.6936, 0.2346, 0.3646

Inverse Universe

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



14.1931, 0.5995, 0.3152



21.3880, 0.6244, 0.3213



20.1147, 0.5630, 0.3818



11.8351, 0.3269, 0.3257



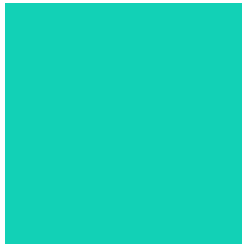
8.4230, 0.6199, 0.3189



0.4800, 0.5765, 0.2950

Previews

White Background



This preview shows how the Yxy color 49.1069, 0.2374, 0.3701 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 49.1069, 0.2374, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

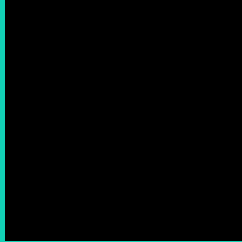
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

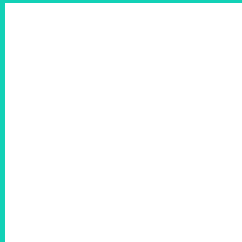
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1069, 0.2374, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 49.1069, 0.2374, 0.3701.

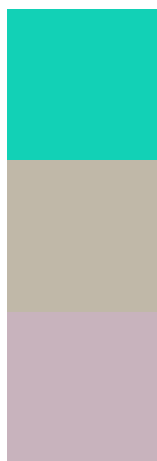


This preview shows how white text looks on a background with the Yxy color 49.1069, 0.2374, 0.3701.

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

49.1069, 0.2374, 0.3701

Protanopia

48.3146, 0.3324, 0.3496

Deuteranopia

48.1937, 0.3228, 0.3167



Tritanopia

49.2526, 0.2255, 0.3063

Trichromacy



Original Color

49.1069, 0.2374, 0.3701



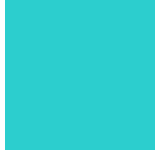
Protanomaly

45.8242, 0.2787, 0.3580



Deuteranomaly

45.4404, 0.2732, 0.3346



Tritanomaly

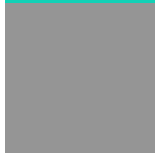
49.1343, 0.2292, 0.3288

Monochromacy



Original Color

49.1069, 0.2374, 0.3701



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.5238, 0.2648, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1069, 0.2374, 0.3701 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(18, 209, 182)` looks like.

```
.text, #text, p{  
    color:rgb(18, 209, 182)  
}
```

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(18, 209, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 209, 182) }
```

Border

The CSS property to change the border of an element to Yxy 49.1069, 0.2374, 0.3701 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(18, 209, 182) }
```

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

```
.border{ border-color:rgb(18, 209, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 209, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 209, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 209, 182);  
box-shadow:4px 4px 4px 4px rgb(18, 209,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1069, 0.2374, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 209, 182) }
```

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

```
.background{ background-color: rgb(18, 209,  
182) }
```

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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