

Converting Colors

XYZ(30.1495, 48.5983, 45.4851)

Have a look what the booklet for
XYZ(30.1495, 48.5983, 45.4851)
contains.

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Color

**XYZ(30.0871, 48.5300,
45.3176)**

Conversions

Conversions Part 1

Format	Color
Hex	0AD1A9
RGB	10, 209, 169
RGB Percent	4%, 82%, 66%
CMY	0.9606, 0.1804, 0.3372
CMYK	0.95, 0.00, 0.19, 0.18
HSL	168°, 91%, 43%
HSV	168°, 95%, 82%
XYZ	30.0871, 48.5300, 45.3176
YIQ	144.9390, -105.7640, -54.6280

Conversions

Conversions Part 2

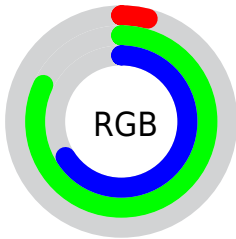
Format	Color
RYB	10, 121, 209
Decimal	709033
CIELab	75.16, -52.16, 7.84
CIELCh	75, 52.747, 171.448
Yxy	48.5300, 0.2428, 0.3916
Android (android.graphics.Color)	4278899113 (0xFF0AD1A9)
YUV	144.9390, 11.8621, -118.3415
Hunter-Lab	69.6635, -44.8184, 10.1950

Details

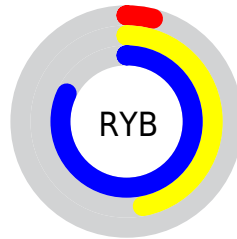
The XYZ color **30.0871, 48.5300, 45.3176** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.9808, 14.0042, 4.3028**, and the grayscale version is **26.8778, 28.2775, 30.7942**.

A 20% lighter version of the original color is **55.1584, 79.9660, 83.0488**, and **14.6021, 24.0668, 20.7054** is the 20% darker color. If you saturate the color by 10%, you get **29.7748, 48.3919, 44.3229**, and if you desaturate by 10%, it is **30.9269, 48.9178, 47.4506**.

Distribution



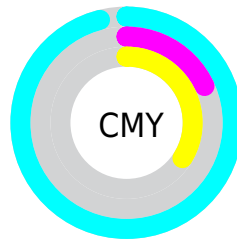
- Red (4%)
- Green (82%)
- Blue (66%)



- Red (4%)
- Yellow (47%)
- Blue (82%)



- Cyan (95%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)



- Cyan (96%)
- Magenta (18%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0871, 48.5300, 45.3176 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 XYZ color 30.0871, 48.5300, 45.3176 by changing the saturation by 10% instead.

30.0871, 48.5300,
45.3176

30.0871, 48.5300,
45.3176

294.2128,
380.8891, 384.2559

20.0531, 34.2468,
31.3629

59.1856, 87.9930,
84.5203

12.5421, 23.0833,
20.6146

78.9808, 113.9416,
110.6054

7.1888, 14.6550,
12.6541

102.7604,
144.5474, 141.5710

3.6279, 8.5776,
7.0629

130.8899,
180.1949, 177.8356

1.4938, 4.4667,
3.4224

163.7345,
221.2684, 219.8179

0.3216, 1.9379,
1.3141

201.6596,

0.0000, 0.5710,

268.1523, 267.9364

0.0733

245.0306,
321.2311, 322.6095

■ 0.0000, 0.0000,
0.0000

■ 30.0871, 48.5300,
45.3176

■ 30.0871, 48.5300,
45.3176

■ 29.7748, 48.3919,
44.3229

■ 30.9269, 48.9178,
47.4506

■ 32.1853, 49.5187,
49.6689

■ 33.9319, 50.3698,
51.9775

■ 36.2228, 51.5000,
54.3795

■ 39.1061, 52.9342,
56.8778

■ 42.6249, 54.6943,
59.4750

■ 46.8179, 56.8005,
62.1734

■ 51.7207, 59.2710,
64.9753

■ 57.3666, 62.1231,
67.8828

Harmonies

Analogous

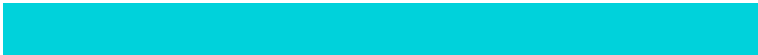
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.0705, 48.5300, 26.1358



30.0871, 48.5300, 45.3176



30.9066, 48.5300, 74.7792

Triad

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



30.0871, 48.5300, 45.3176



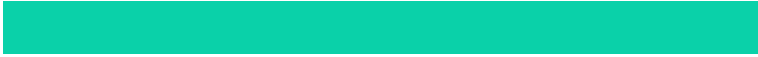
53.2578, 48.5300, 119.4366



58.6993, 48.5300, 21.1996

Complementary

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



30.0871, 48.5300, 45.3176



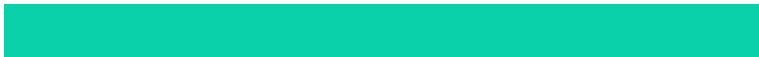
26.9808, 14.0042, 4.3028

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.



65.6667, 48.5300, 35.6771



30.0871, 48.5300, 45.3176



62.2324, 48.5300, 93.4162

Square

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



30.0871, 48.5300, 45.3176



43.4186, 48.5300, 124.8426



67.0428, 48.5300, 61.1539



48.9443, 48.5300, 15.7594

Rectangle

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



30.0871, 48.5300, 45.3176



33.5563, 48.5300, 96.4598



67.0428, 48.5300, 61.1539



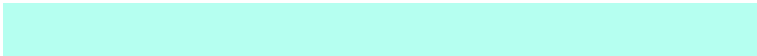
61.4986, 48.5300, 24.8688

Sweetspot

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



30.0884, 48.5319, 45.3187



70.5757, 87.6490, 95.7397



24.3320, 46.3853, 7.9590



14.5119, 18.4621, 20.1033



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.0884, 48.5319, 45.3187



46.6272, 75.8669, 69.1457



22.9652, 27.3295, 64.3884



12.0523, 13.3647, 14.6316



18.3936, 29.8504, 27.5167



1.0549, 1.6796, 1.6781

Inverse Universe

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



26.9808, 14.0042, 4.3028



41.8434, 21.5014, 5.1076



28.3226, 17.5222, 2.1775



11.9045, 11.8466, 12.7731



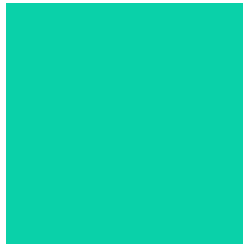
16.4988, 8.4723, 2.2667



0.9514, 0.4853, 0.2791

Previews

White Background



This preview shows how the XYZ color 30.0871, 48.5300, 45.3176 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 XYZ color 30.0871, 48.5300, 45.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

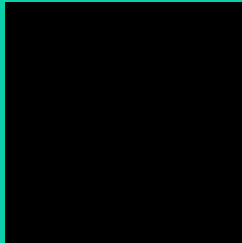
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

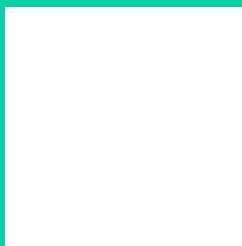
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0871, 48.5300, 45.3176

Background



This preview shows how black text looks on a background with the XYZ color 30.0871, 48.5300, 45.3176.



This preview shows how white text looks on a background with the XYZ color 30.0871, 48.5300,

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

30.0871, 48.5300, 45.3176

Protanopia

44.9266, 47.6047, 38.2732

Deuteranopia

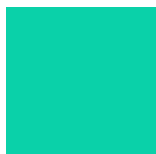
48.4605, 47.4162, 47.6724



Tritanopia

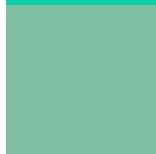
35.9566, 48.4123, 74.4672

Trichromacy



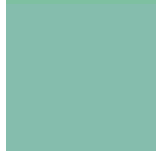
Original Color

30.0871, 48.5300, 45.3176



Protanomaly

33.8868, 44.7081, 40.5617



Deuteranomaly

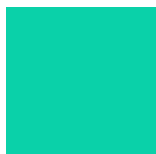
35.4133, 44.3989, 46.2385



Tritanomaly

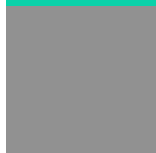
33.4126, 48.4152, 62.8424

Monochromacy



Original Color

30.0871, 48.5300, 45.3176



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.6592, 32.8252, 35.6081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0871, 48.5300, 45.3176 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(10, 209, 169)` looks like.

```
.text, #text, p{  
    color:rgb(10, 209, 169)  
}
```

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(10, 209, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 209, 169) }
```

Border

The CSS property to change the border of an element to XYZ 30.0871, 48.5300, 45.3176 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(10, 209, 169) }
```


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

```
.border{ border-color:rgb(10, 209, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 209, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 209, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 209, 169);  
box-shadow:4px 4px 4px 4px rgb(10, 209,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0871, 48.5300, 45.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 209, 169) }
```

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

```
.background{ background-color: rgb(10, 209,  
169) }
```

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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