

Converting Colors

XYZ(24.7190, 45.6340, 47.3256)

Have a look what the booklet for
XYZ(24.7190, 45.6340, 47.3256)
contains.

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Color

**XYZ(30.4404, 48.6569,
47.8317)**

Conversions

Conversions Part 1

Format	Color
Hex	00D1AE
RGB	0, 209, 174
RGB Percent	0%, 82%, 68%
CMY	0.9999, 0.1804, 0.3176
CMYK	1.00, 0.00, 0.17, 0.18
HSL	170°, 100%, 41%
HSV	170°, 100%, 82%
XYZ	30.4404, 48.6569, 47.8317
YIQ	142.5190, -113.3290, -55.1930

Conversions

Conversions Part 2

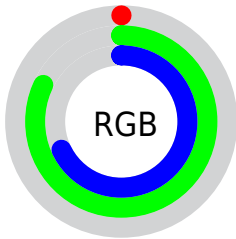
Format	Color
RYB	0, 114, 209
Decimal	53678
CIELab	75.24, -51.17, 5.27
CIELCh	75, 51.445, 174.121
Yxy	48.6569, 0.2398, 0.3833
Android (android.graphics.Color)	4278243758 (0xFF00D1AE)
YUV	142.5190, 15.5201, -124.9892
Hunter-Lab	69.7545, -44.1742, 8.1721

Details

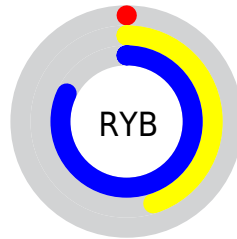
The XYZ color **30.4404, 48.6569, 47.8317** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.5996, 13.6780, 2.8307**, and the grayscale version is **25.8935, 27.2419, 29.6665**.

A 20% lighter version of the original color is **55.7286, 80.1804, 86.6679**, and **14.9041, 24.1876, 22.2955** is the 20% darker color. If you saturate the color by 10%, you get **30.4409, 48.6584, 47.8303**, and if you desaturate by 10%, it is **31.0950, 48.9556, 49.6684**.

Distribution



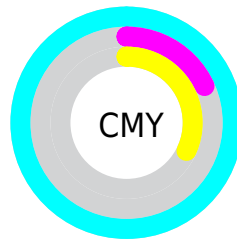
- Red (0%)
- Green (82%)
- Blue (68%)



- Red (0%)
- Yellow (45%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4404, 48.6569, 47.8317 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 30.4404, 48.6569, 47.8317 by changing the saturation by 10% instead.


 30.4404, 48.6569,
47.8317


 30.4404, 48.6569,
47.8317


295.8250,
381.3900, 394.6141


 20.3228, 34.3474,
33.3346


 59.7398, 88.1817,
88.3167


 12.7396, 23.1606,
22.1097


 79.6524, 114.1657,
115.1417

 7.3252, 14.7121,
13.7384


 103.5606,
144.8100, 146.9130

 3.7144, 8.6176,
7.8023

 131.8300,
180.4991, 184.0493

 1.5419, 4.4926,
3.8827

 164.8257,
221.6172, 226.9689

 0.3541, 1.9528,
1.5612

202.9132,

 0.0000, 0.5798,

268.5488, 276.0906

0.2629

246.4579,
321.6783, 331.8328

■ 0.0000, 0.0000,
0.0000

■ 30.4404, 48.6569,
47.8317

■ 30.4404, 48.6569,
47.8317

■ 30.4409, 48.6584,
47.8303

■ 31.0950, 48.9556,
49.6684

■ 32.0900, 49.4275,
51.5668

■ 33.5386, 50.1323,
53.5335

■ 35.5020, 51.1014,
55.5717

■ 38.0317, 52.3613,
57.6843

■ 41.1728, 53.9354,
59.8736

■ 44.9659, 55.8446,
62.1418

■ 49.4481, 58.1079,
64.4911

■ 54.6537, 60.7430,
66.9233

Harmonies

Analogous

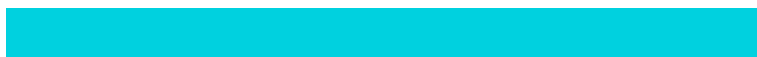
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.0449, 48.6569, 27.9818



30.4404, 48.6569, 47.8317



31.5813, 48.6569, 77.1867

Triad

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



30.4404, 48.6569, 47.8317



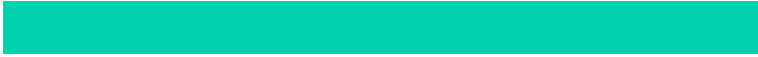
54.0676, 48.6569, 115.9876



57.7201, 48.6569, 21.0374

Complementary

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



30.4404, 48.6569, 47.8317



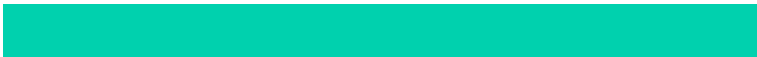
26.5996, 13.6780, 2.8307

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.



64.8679, 48.6569, 34.4496



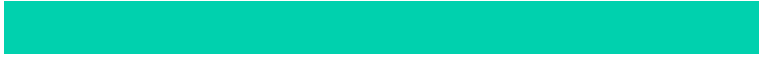
30.4404, 48.6569, 47.8317



62.5664, 48.6569, 89.6539

Square

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



30.4404, 48.6569, 47.8317



44.4128, 48.6569, 123.3288



66.7521, 48.6569, 58.4831



48.1308, 48.6569, 16.2706

Rectangle

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



30.4404, 48.6569, 47.8317



34.4033, 48.6569, 98.0295



66.7521, 48.6569, 58.4831



60.5376, 48.6569, 24.4063

Sweetspot

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



30.4418, 48.6588, 47.8329



70.2901, 87.4663, 97.3296



23.6134, 46.0212, 7.6393



14.4779, 18.4357, 20.5049



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.



30.4418, 48.6588, 47.8329



47.6802, 76.2881, 74.6909



21.3061, 24.1972, 63.8713



12.0698, 13.3717, 14.7239



18.7999, 30.0129, 29.6561



1.0743, 1.6874, 1.7799

Inverse Universe

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



26.5996, 13.6780, 2.8307



41.6708, 21.4323, 4.1983



28.2558, 17.4762, 1.8848



11.8884, 11.8401, 12.6880



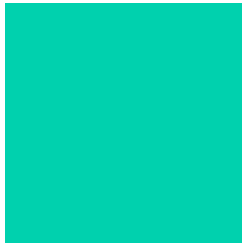
16.4243, 8.4425, 1.8744



0.9439, 0.4823, 0.2396

Previews

White Background



This preview shows how the XYZ color 30.4404, 48.6569, 47.8317 looks on a white background.

Color Contrast Check

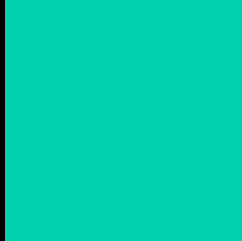
Large Text (above 18pt) WCAG AA × Fail

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 30.4404, 48.6569, 47.8317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

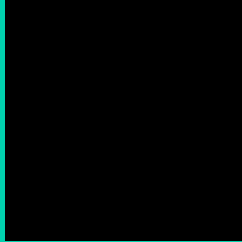
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

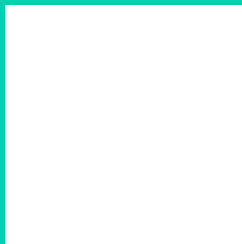
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4404, 48.6569, 47.8317

Background



This preview shows how black text looks on a background with the XYZ color 30.4404, 48.6569, 47.8317.



This preview shows how white text looks on a background with the XYZ color 30.4404, 48.6569,

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

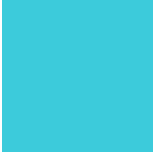
30.4404, 48.6569, 47.8317

Protanopia

45.1047, 47.6466, 40.5377

Deuteranopia

48.8895, 47.8735, 50.3798



Tritanopia

36.0056, 48.7870, 74.5370

Trichromacy



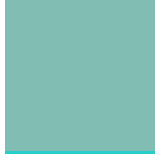
Original Color

30.4404, 48.6569, 47.8317



Protanomaly

33.7586, 44.5900, 42.9039



Deuteranomaly

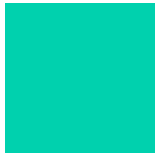
35.2867, 44.2767, 48.8059



Tritanomaly

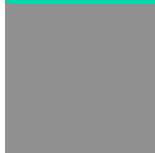
33.4101, 48.3865, 64.0785

Monochromacy



Original Color

30.4404, 48.6569, 47.8317



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.9658, 32.1947, 35.5229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4404, 48.6569, 47.8317 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(0, 209, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 174)  
}
```

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(0, 209, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 174) }
```

Border

The CSS property to change the border of an element to XYZ 30.4404, 48.6569, 47.8317 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(0, 209, 174) }
```


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

```
.border{ border-color:rgb(0, 209, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4404, 48.6569, 47.8317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 174) }
```

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

```
.background{ background-color: rgb(0, 209,  
174) }
```

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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