

Converting Colors

XYZ(29.9943, 47.2190, 54.3338)

Have a look what the booklet for
XYZ(29.9943, 47.2190, 54.3338)
contains.

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Color

**XYZ(31.0409, 47.7305,
54.5906)**

Conversions

Conversions Part 1

Format	Color
Hex	00CEBB
RGB	0, 206, 187
RGB Percent	0%, 81%, 73%
CMY	0.9999, 0.1921, 0.2667
CMYK	1.00, 0.00, 0.09, 0.19
HSL	174°, 100%, 40%
HSV	174°, 100%, 81%
XYZ	31.0409, 47.7305, 54.5906
YIQ	142.2400, -116.6770, -49.5810

Conversions

Conversions Part 2

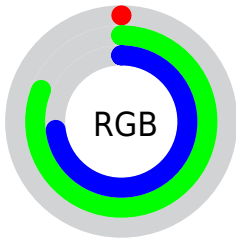
Format	Color
RYB	0, 108, 206
Decimal	52923
CIELab	74.65, -46.43, -2.58
CIELCh	75, 46.499, 183.185
Yxy	47.7305, 0.2328, 0.3579
Android (android.graphics.Color)	4278243003 (0xFF00CEBB)
YUV	142.2400, 22.0667, -124.7445
Hunter-Lab	69.0873, -40.7027, 1.5120

Details

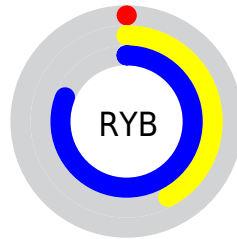
The XYZ color **31.0409, 47.7305, 54.5906** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **25.5727, 13.1701, 1.8118**, and the grayscale version is **25.7589, 27.1003, 29.5123**.

A 20% lighter version of the original color is **57.7634, 80.9943, 97.3830**, and **15.3697, 23.8544, 26.3486** is the 20% darker color. If you saturate the color by 10%, you get **31.0416, 47.7320, 54.5901**, and if you desaturate by 10%, it is **31.5483, 47.9695, 55.6846**.

Distribution



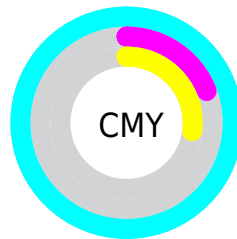
- Red (0%)
- Green (81%)
- Blue (73%)



- Red (0%)
- Yellow (42%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0409, 47.7305, 54.5906 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 31.0409, 47.7305, 54.5906 by changing the saturation by 10% instead.


 31.0409, 47.7305,
54.5906


 31.0409, 47.7305,
54.5906


298.5502,
377.7229, 421.5963


 20.7820, 33.6135,
38.6777


 60.6799, 86.8030,
98.4060


 13.0763, 22.5968,
26.2032


 80.7906, 112.5273,
127.1455

 7.5585, 14.2961,
16.7486


 104.9160,
142.8895, 160.9976

 3.8631, 8.3269,
9.8953

 133.4214,
178.2740, 200.3809

 1.6250, 4.3048,
5.2249

 166.6722,
219.0652, 245.7139

 0.4086, 1.8455,
2.3188

205.0337,

 0.0000, 0.5153,

265.6475, 297.4151

0.7417

248.8712,
318.4053, 355.9030

■ 0.0000, 0.0000,
0.0000

■ 31.0409, 47.7305,
54.5906

■ 31.0409, 47.7305,
54.5906

■ 31.0416, 47.7320,
54.5901

■ 31.5483, 47.9695,
55.6846

■ 32.3781, 48.3733,
56.8068

■ 33.6407, 48.9999,
57.9634

■ 35.3950, 49.8797,
59.1572

■ 37.6906, 51.0382,
60.3906

■ 40.5711, 52.4979,
61.6657

■ 44.0755, 54.2789,
62.9844

■ 48.2396, 56.3997,
64.3483

■ 53.0963, 58.8772,
65.7592

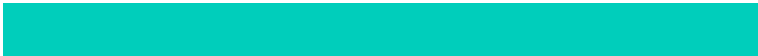
Harmonies

Analogous

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



32.3929, 47.7305, 33.7290



31.0409, 47.7305, 54.5906



33.1172, 47.7305, 81.7168

Triad

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



31.0409, 47.7305, 54.5906



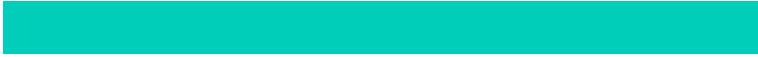
54.8211, 47.7305, 101.2561



53.0716, 47.7305, 20.5928

Complementary

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



31.0409, 47.7305, 54.5906



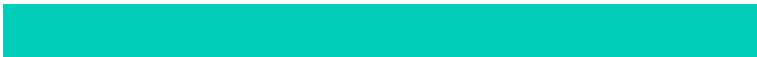
25.5727, 13.1701, 1.8118

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.



60.3154, 47.7305, 30.4921



31.0409, 47.7305, 54.5906



61.4101, 47.7305, 75.8279

Square

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



31.0409, 47.7305, 54.5906



46.2723, 47.7305, 113.4008



63.5346, 47.7305, 49.4354



44.4724, 47.7305, 18.0530

Rectangle

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



31.0409, 47.7305, 54.5906



36.3370, 47.7305, 98.6503



63.5346, 47.7305, 49.4354



55.7799, 47.7305, 22.9788

Sweetspot

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



31.0423, 47.7323, 54.5917



71.1694, 87.8180, 101.9598



22.3737, 44.2997, 7.3724



14.6909, 18.5209, 21.6268



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.



31.0423, 47.7323, 54.5917



50.2510, 77.3164, 88.2288



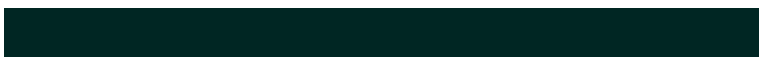
18.3008, 18.7754, 61.0541



11.4969, 12.7085, 14.1741



19.1329, 29.3985, 33.7144



1.0004, 1.5220, 1.8095

Inverse Universe

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



25.5727, 13.1701, 1.8118



41.4000, 21.3240, 2.7724



28.5037, 19.2205, 2.2085



11.2537, 11.2302, 11.8704



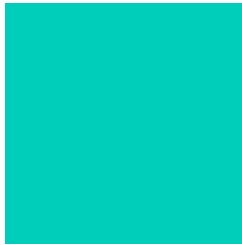
15.7618, 8.1153, 1.1986



0.8279, 0.4246, 0.1396

Previews

White Background



This preview shows how the XYZ color 31.0409, 47.7305, 54.5906 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 31.0409, 47.7305, 54.5906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

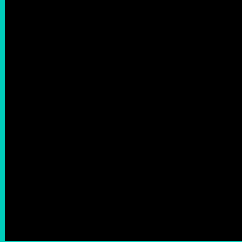
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

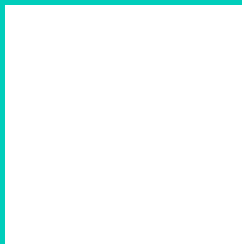
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0409, 47.7305, 54.5906

Background



This preview shows how black text looks on a background with the XYZ color 31.0409, 47.7305, 54.5906.

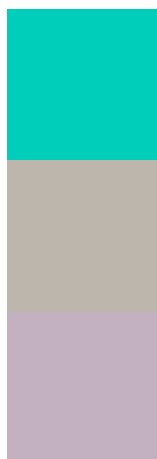


This preview shows how white text looks on a background with the XYZ color 31.0409, 47.7305,

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

31.0409, 47.7305, 54.5906

Protanopia

45.0098, 47.1644, 46.2665

Deuteranopia

47.8535, 46.8966, 56.9819



Tritanopia

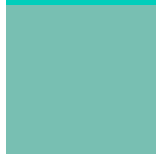
35.1407, 48.0068, 73.7438

Trichromacy



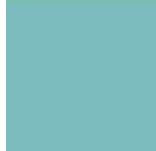
Original Color

31.0409, 47.7305, 54.5906



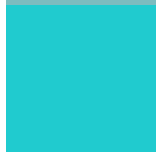
Protanomaly

34.4124, 44.4690, 48.8891



Deuteranomaly

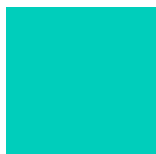
35.6994, 44.0131, 55.9040



Tritanomaly

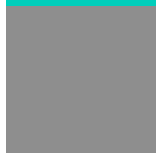
33.2141, 47.5239, 66.4540

Monochromacy



Original Color

31.0409, 47.7305, 54.5906



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.8431, 31.5525, 37.1813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0409, 47.7305, 54.5906 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, 206, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 187)  
}
```

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, 206, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 187) }
```

Border

The CSS property to change the border of an element to XYZ 31.0409, 47.7305, 54.5906 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, 206, 187) }
```


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

```
.border{ border-color:rgb(0, 206, 187) }
```

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

Here you see how a box with a 4 pixel rgb(0, 206, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 187);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0409, 47.7305, 54.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 187) }
```

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

```
.background{ background-color: rgb(0, 206,  
187) }
```

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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