

Converting Colors

XYZ(18.1167, 40.7674, 55.1698)

Have a look what the booklet for
XYZ(18.1167, 40.7674, 55.1698)
contains.

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Color

**XYZ(31.0166, 47.3368,
55.6463)**

Conversions

Conversions Part 1

Format	Color
Hex	00CDBD
RGB	0, 205, 189
RGB Percent	0%, 80%, 74%
CMY	0.9999, 0.1961, 0.2588
CMYK	1.00, 0.00, 0.08, 0.20
HSL	175°, 100%, 40%
HSV	175°, 100%, 80%
XYZ	31.0166, 47.3368, 55.6463
YIQ	141.8810, -117.0440, -48.4360

Conversions

Conversions Part 2

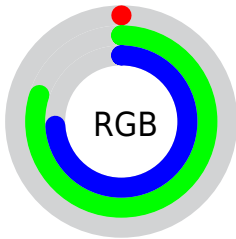
Format	Color
RYB	0, 107, 205
Decimal	52669
CIELab	74.40, -45.44, -4.03
CIELCh	74, 45.619, 185.071
Yxy	47.3368, 0.2315, 0.3533
Android (android.graphics.Color)	4278242749 (0xFF00CDBD)
YUV	141.8810, 23.2297, -124.4296
Hunter-Lab	68.8017, -39.9332, 0.2079

Details

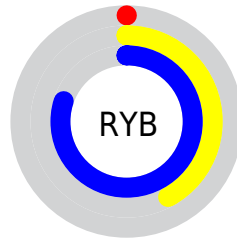
The XYZ color **31.0166, 47.3368, 55.6463** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **25.2719, 13.0178, 1.6723**, and the grayscale version is **25.6129, 26.9468, 29.3450**.

A 20% lighter version of the original color is **58.0671, 81.1158, 98.9827**, and **15.3503, 23.5903, 27.0369** is the 20% darker color. If you saturate the color by 10%, you get **31.0173, 47.3383, 55.6459**, and if you desaturate by 10%, it is **31.4918, 47.5627, 56.5816**.

Distribution



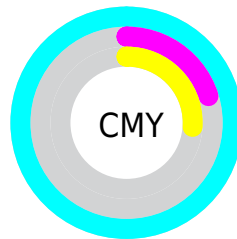
- Red (0%)
- Green (80%)
- Blue (74%)



- Red (0%)
- Yellow (42%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0166, 47.3368, 55.6463 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 31.0166, 47.3368, 55.6463 by changing the saturation by 10% instead.

■ 31.0166, 47.3368,
55.6463

■ 31.0166, 47.3368,
55.6463

298.4403,
376.1573, 425.7080

■ 20.7634, 33.3020,
39.5173

■ 60.6419, 86.2161,
99.9679

■ 13.0626, 22.3579,
26.8515

■ 80.7446, 111.8295,
128.9975

■ 7.5490, 14.1201,
17.2303

■ 104.8613,
142.0711, 163.1645

■ 3.8571, 8.2042,
10.2351

■ 133.3572,
177.3254, 202.8873

■ 1.6216, 4.2259,
5.4475

■ 166.5977,
217.9767, 248.5846

■ 0.4064, 1.8007,
2.4488

204.9481,

■ 0.0000, 0.4876,

264.4096, 300.6747

0.8129

248.7739,
317.0083, 359.5763

■ 0.0000, 0.0000,
0.0000

■ 31.0166, 47.3368,
55.6463

■ 31.0166, 47.3368,
55.6463

■ 31.0173, 47.3383,
55.6459

■ 31.4918, 47.5627,
56.5816

■ 32.2848, 47.9511,
57.5407

■ 33.5051, 48.5595,
58.5299

■ 35.2108, 49.4180,
59.5520

■ 37.4509, 50.5517,
60.6091

■ 40.2684, 51.9829,
61.7035

■ 43.7020, 53.7315,
62.8369

■ 47.7870, 55.8156,
64.0110

■ 52.5559, 58.2521,
65.2273

Harmonies

Analogous

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



32.1303, 47.3368, 34.7236



31.0166, 47.3368, 55.6463



33.2592, 47.3368, 82.1626

Triad

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



31.0166, 47.3368, 55.6463



54.6961, 47.3368, 98.1599



51.9865, 47.3368, 20.4317

Complementary

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



31.0166, 47.3368, 55.6463



25.2719, 13.0178, 1.6723

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.



59.2035, 47.3368, 29.6665



31.0166, 47.3368, 55.6463



60.8966, 47.3368, 73.0658

Square

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



31.0166, 47.3368, 55.6463



46.4035, 47.3368, 111.0372



62.6386, 47.3368, 47.6441



43.6099, 47.3368, 18.3287

Rectangle

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



31.0166, 47.3368, 55.6463



36.5378, 47.3368, 98.2590



62.6386, 47.3368, 47.6441



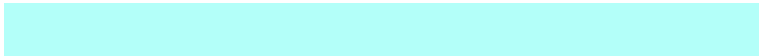
54.6595, 47.3368, 22.6300

Sweetspot

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



31.0180, 47.3386, 55.6474



71.3383, 87.8855, 102.8489



22.0655, 43.7845, 7.2892



14.7319, 18.5373, 21.8428



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.



31.0180, 47.3386, 55.6474



50.7688, 77.5235, 90.9551



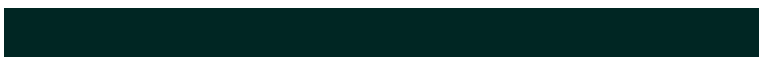
17.6886, 17.7449, 60.2525



11.5040, 12.7114, 14.2115



19.3249, 29.4753, 34.7256



1.0084, 1.5252, 1.8520

Inverse Universe

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



25.2719, 13.0178, 1.6723



41.3654, 21.3102, 2.5906



28.4610, 19.5458, 2.2736



11.2473, 11.2276, 11.8368



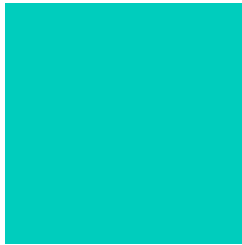
15.7458, 8.1089, 1.1140



0.8249, 0.4234, 0.1240

Previews

White Background



This preview shows how the XYZ color 31.0166, 47.3368, 55.6463 looks on a white background.

Color Contrast Check

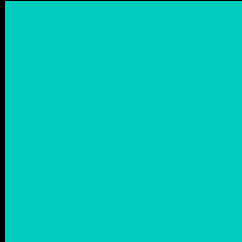
Large Text (above 18pt) WCAG AA × Fail

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 31.0166, 47.3368, 55.6463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

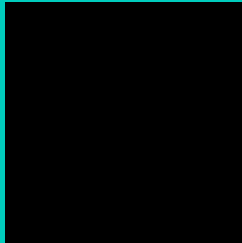
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

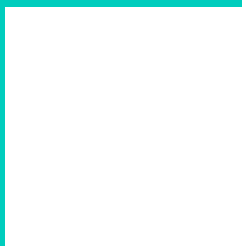
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0166, 47.3368, 55.6463

Background



This preview shows how black text looks on a background with the XYZ color 31.0166, 47.3368, 55.6463.

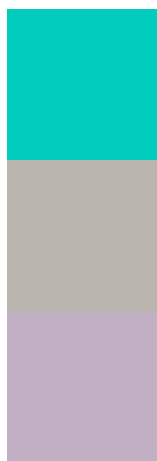


This preview shows how white text looks on a background with the XYZ color 31.0166, 47.3368,

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

31.0166, 47.3368, 55.6463

Protanopia

44.5114, 46.5820, 47.2027

Deuteranopia

47.3680, 46.3283, 58.0754



Tritanopia

34.6777, 47.4360, 72.9740

Trichromacy



Original Color

31.0166, 47.3368, 55.6463



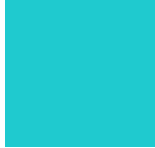
Protanomaly

34.1229, 43.9738, 49.8693



Deuteranomaly

35.5643, 43.6019, 56.9936



Tritanomaly

32.9481, 47.0374, 66.3741

Monochromacy



Original Color

31.0166, 47.3368, 55.6463



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.9296, 31.5871, 37.6366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0166, 47.3368, 55.6463 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, 205, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 189)  
}
```

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, 205, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 189) }
```

Border

The CSS property to change the border of an element to XYZ 31.0166, 47.3368, 55.6463 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, 205, 189) }
```


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

```
.border{ border-color:rgb(0, 205, 189) }
```

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

Here you see how a box with a 4 pixel rgb(0, 205, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0166, 47.3368, 55.6463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 189) }
```

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

```
.background{ background-color: rgb(0, 205,  
189) }
```

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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