

Converting Colors

XYZ(31.1962, 47.0271, 57.7681)

Have a look what the booklet for
XYZ(31.1962, 47.0271, 57.7681)
contains.

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Color

**XYZ(31.2185, 47.0360,
57.8855)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCC1
RGB	0, 204, 193
RGB Percent	0%, 80%, 76%
CMY	0.9998, 0.2000, 0.2431
CMYK	1.00, 0.00, 0.05, 0.20
HSL	177°, 100%, 40%
HSV	177°, 100%, 80%
XYZ	31.2185, 47.0360, 57.8855
YIQ	141.7500, -118.0530, -46.6690

Conversions

Conversions Part 2

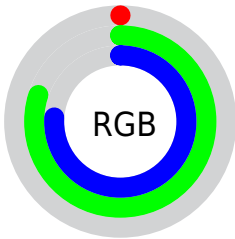
Format	Color
RYB	0, 105, 204
Decimal	52417
CIELab	74.21, -43.87, -6.48
CIELCh	74, 44.344, 188.403
Yxy	47.0360, 0.2293, 0.3455
Android (android.graphics.Color)	4278242497 (0xFF00CC1)
YUV	141.7500, 25.2662, -124.3148
Hunter-Lab	68.5828, -38.7677, -2.0342

Details

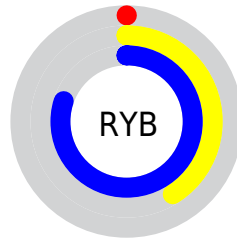
The XYZ color **31.2185, 47.0360, 57.8855** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **24.9638, 12.8629, 1.4849**, and the grayscale version is **25.5545, 26.8853, 29.2781**.

A 20% lighter version of the original color is **58.6846, 81.3628, 102.2341**, and **15.4811, 23.3883, 28.5094** is the 20% darker color. If you saturate the color by 10%, you get **31.2191, 47.0374, 57.8853**, and if you desaturate by 10%, it is **31.6402, 47.2402, 58.5495**.

Distribution



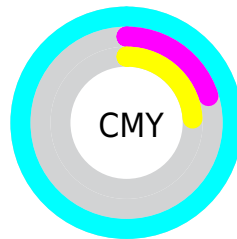
- Red (0%)
- Green (80%)
- Blue (76%)



- Red (0%)
- Yellow (41%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2185, 47.0360, 57.8855 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 31.2185, 47.0360, 57.8855 by changing the saturation by 10% instead.


 31.2185, 47.0360,
57.8855


 31.2185, 47.0360,
57.8855


299.3526,
374.9582, 434.3455


 20.9179, 33.0641,
41.3025

 60.9574, 85.7674,
103.2692


 13.1761, 22.1756,
28.2341


 81.1265, 111.2956,
132.9071


 7.6278, 13.9860,
18.2616


 105.3157,
141.4448, 167.7336

 3.9075, 8.1109,
10.9666

 133.8906,
176.5993, 208.1673

 1.6499, 4.1660,
5.9305

 167.2163,
217.1435, 254.6269

 0.4246, 1.7668,
2.7347

205.6583,

 0.0000, 0.4664,

263.4618, 307.5307

0.9608

249.5820,
315.9385, 367.2974

■ 0.0000, 0.0000,
0.0000

■ 31.2185, 47.0360,
57.8855

■ 31.2185, 47.0360,
57.8855

■ 31.2191, 47.0374,
57.8853

■ 31.6402, 47.2402,
58.5495

■ 32.3749, 47.6046,
59.2320

■ 33.5312, 48.1863,
59.9389

■ 35.1665, 49.0147,
60.6730

■ 37.3290, 50.1149,
61.4367

■ 40.0614, 51.5087,
62.2318

■ 43.4018, 53.2159,
63.0602

■ 47.3851, 55.2544,
63.9235

■ 52.0435, 57.6408,
64.8233

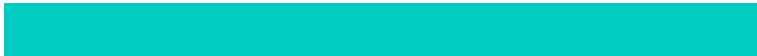
Harmonies

Analogous

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



31.9399, 47.0360, 36.7239



31.2185, 47.0360, 57.8855



33.7596, 47.0360, 83.5272

Triad

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



31.2185, 47.0360, 57.8855



54.8961, 47.0360, 93.7815



50.5756, 47.0360, 20.3286

Complementary

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



31.2185, 47.0360, 57.8855



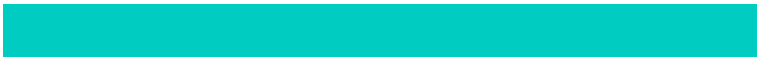
24.9638, 12.8629, 1.4849

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.



57.7953, 47.0360, 28.5388



31.2185, 47.0360, 57.8855



60.4884, 47.0360, 69.0884

Square

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



31.2185, 47.0360, 57.8855



46.9788, 47.0360, 107.9174



61.6080, 47.0360, 45.0763



42.5083, 47.0360, 18.9539

Rectangle

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



31.2185, 47.0360, 57.8855



37.1620, 47.0360, 98.3167



61.6080, 47.0360, 45.0763



53.2083, 47.0360, 22.2315

Sweetspot

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



31.2199, 47.0378, 57.8866



71.6277, 88.0013, 104.3731



21.7694, 43.2778, 7.2072



14.8023, 18.5655, 22.2135



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.



31.2199, 47.0378, 57.8866



51.6739, 77.8856, 95.7213



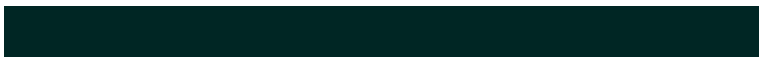
17.1015, 16.7632, 59.4629



11.5161, 12.7162, 14.2753



19.6604, 29.6094, 36.4921



1.0224, 1.5308, 1.9256

Inverse Universe

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



24.9638, 12.8629, 1.4849



41.3176, 21.2910, 2.3387



28.4275, 19.8872, 2.3415



11.2364, 11.2233, 11.7798



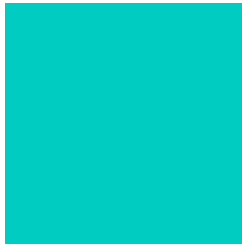
15.7225, 8.0996, 0.9914



0.8199, 0.4214, 0.0974

Previews

White Background



This preview shows how the XYZ color 31.2185, 47.0360, 57.8855 looks on a white background.

Color Contrast Check

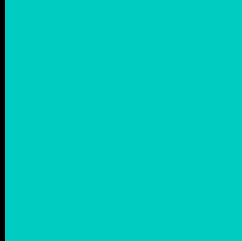
Large Text (above 18pt) WCAG AA × Fail

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 31.2185, 47.0360, 57.8855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

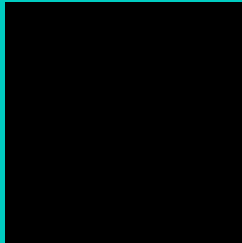
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

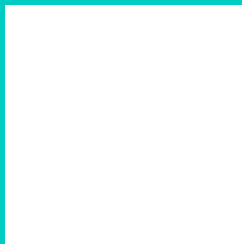
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2185, 47.0360, 57.8855

Background



This preview shows how black text looks on a background with the XYZ color 31.2185, 47.0360, 57.8855.

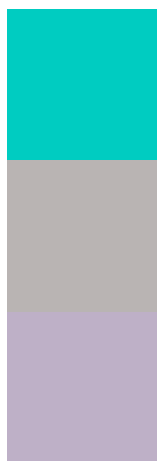


This preview shows how white text looks on a background with the XYZ color 31.2185, 47.0360,

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

31.2185, 47.0360, 57.8855

Protanopia

44.4655, 46.2115, 49.2239

Deuteranopia

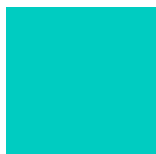
47.0693, 46.1213, 60.4543



Tritanopia

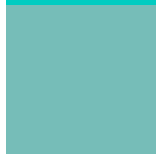
34.3054, 46.8991, 72.8900

Trichromacy



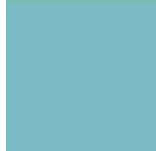
Original Color

31.2185, 47.0360, 57.8855



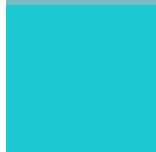
Protanomaly

34.3205, 43.7074, 51.9749



Deuteranomaly

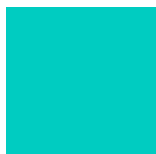
35.5221, 43.2140, 59.2922



Tritanomaly

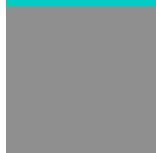
32.7785, 46.5886, 66.9394

Monochromacy



Original Color

31.2185, 47.0360, 57.8855



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.1046, 31.6571, 38.5582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2185, 47.0360, 57.8855 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, 204, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 193)  
}
```

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, 204, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 193) }
```

Border

The CSS property to change the border of an element to XYZ 31.2185, 47.0360, 57.8855 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, 204, 193) }
```


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

```
.border{ border-color:rgb(0, 204, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2185, 47.0360, 57.8855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 193) }
```

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

```
.background{ background-color: rgb(0, 204,  
193) }
```

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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