

Converting Colors

XYZ(29.4426, 42.6403, 67.8818)

Have a look what the booklet for
XYZ(29.4426, 42.6403, 67.8818)
contains.

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Color

**XYZ(31.1480, 43.6834,
67.7628)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3D2
RGB	0, 195, 210
RGB Percent	0%, 76%, 82%
CMY	0.9998, 0.2353, 0.1765
CMYK	1.00, 0.07, 0.00, 0.18
HSL	184°, 100%, 41%
HSV	184°, 100%, 82%
XYZ	31.1480, 43.6834, 67.7628
YIQ	138.4050, -121.0350, -36.6750

Conversions

Conversions Part 2

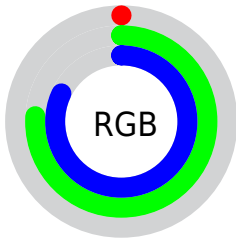
Format	Color
RYB	0, 101, 210
Decimal	50130
CIELab	72.02, -34.66, -19.00
CIELCh	72, 39.528, 208.734
Yxy	43.6834, 0.2184, 0.3063
Android (android.graphics.Color)	4278240210 (0xFF00C3D2)
YUV	138.4050, 35.2963, -121.3812
Hunter-Lab	66.0934, -31.5414, -14.5221

Details

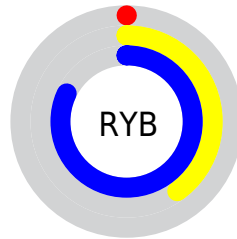
The XYZ color **31.1480, 43.6834, 67.7628** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **26.7505, 14.0450, 1.3025**, and the grayscale version is **24.2209, 25.4823, 27.7502**.

A 20% lighter version of the original color is **58.8043, 79.9050, 106.9316**, and **15.5256, 21.4501, 34.7745** is the 20% darker color. If you saturate the color by 10%, you get **31.1479, 43.6830, 67.7636**, and if you desaturate by 10%, it is **31.7969, 44.5203, 67.8910**.

Distribution



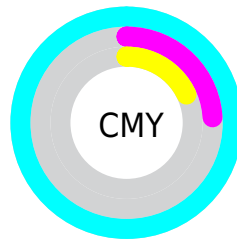
- Red (0%)
- Green (76%)
- Blue (82%)



- Red (0%)
- Yellow (40%)
- Blue (82%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1480, 43.6834, 67.7628 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 31.1480, 43.6834, 67.7628 by changing the saturation by 10% instead.

31.1480, 43.6834,
67.7628

31.1480, 43.6834,
67.7628

299.0343,
361.4148, 471.2304

20.8640, 30.4217,
49.2393

60.8473, 80.7411,
117.6637

13.1365, 20.1589,
34.4424

80.9932, 105.3059,
149.8783

7.6002, 12.5106,
22.9536

105.1571,
134.4072, 187.4936

3.8899, 7.0924,
14.3542

133.7044,
168.4294, 230.9282

1.6400, 3.5200,
8.2259

167.0004,
207.7568, 280.6006

0.4183, 1.4088,
4.1500

205.4105,

0.0000, 0.2232,

252.7739, 336.9294

1.7080

249.3000,
303.8651, 400.3332

■ 0.0000, 0.0000,
0.3662

■ 0.0000, 0.0000,
0.0000

■ 31.1480, 43.6834,
67.7628

■ 31.1480, 43.6834,
67.7628

■ 31.1479, 43.6830,
67.7636

■ 31.7969, 44.5203,
67.8910

■ 32.7848, 45.5362,
68.0350

■ 34.2257, 46.7906,
68.2012

■ 36.1813, 48.3154,
68.3924

■ 38.7037, 50.1375,
68.6112

■ 41.8387, 52.2804,
68.8596

■ 45.6271, 54.7653,
69.1395

■ 50.1065, 57.6116,
69.4528

■ 55.3114, 60.8369,
69.8010

Harmonies

Analogous

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



29.8497, 43.6834, 46.7474



31.1480, 43.6834, 67.7628



35.1418, 43.6834, 86.9318

Triad

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



31.1480, 43.6834, 67.7628



53.6301, 43.6834, 69.5795



41.8071, 43.6834, 19.2418

Complementary

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



31.1480, 43.6834, 67.7628



26.7505, 14.0450, 1.3025

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.



48.6262, 43.6834, 22.3426



31.1480, 43.6834, 67.7628



55.8929, 43.6834, 48.3897

Square

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



31.1480, 43.6834, 67.7628



48.0765, 43.6834, 88.1650



53.9708, 43.6834, 31.8398



35.5880, 43.6834, 21.8501

Rectangle

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



31.1480, 43.6834, 67.7628



39.0356, 43.6834, 94.1198



53.9708, 43.6834, 31.8398



44.1071, 43.6834, 19.6312

Sweetspot

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



31.1494, 43.6850, 67.7639



70.5663, 84.8268, 107.2617



23.1271, 46.1260, 8.1014



14.5438, 17.7921, 22.9176



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.



31.1494, 43.6850, 67.7639



48.2715, 67.6629, 105.1238



15.3773, 12.1408, 62.5065



12.0831, 13.2564, 15.1656



19.0309, 26.7083, 41.3447



1.0862, 1.5376, 2.3191

Inverse Universe

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



36.4299, 17.6432, 53.1168



56.4944, 27.3618, 82.2586



33.1785, 26.9010, 3.4452



12.2728, 11.9939, 14.7125



22.2366, 10.7675, 32.4819



1.2545, 0.6065, 1.8750

Previews

White Background



This preview shows how the XYZ color 31.1480, 43.6834, 67.7628 looks on a white background.

Color Contrast Check

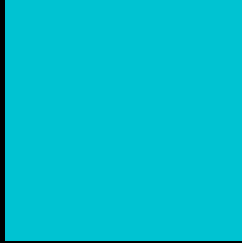
Large Text (above 18pt) WCAG AA × Fail

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 31.1480, 43.6834, 67.7628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

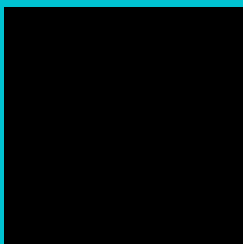
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

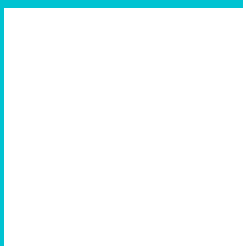
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1480, 43.6834, 67.7628

Background



This preview shows how black text looks on a background with the XYZ color 31.1480, 43.6834, 67.7628.

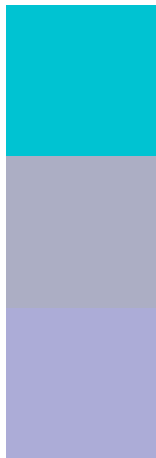


This preview shows how white text looks on a background with the XYZ color 31.1480, 43.6834,

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

31.1480, 43.6834, 67.7628

Protanopia

42.1131, 43.0283, 58.3102

Deuteranopia

44.0315, 43.1820, 70.3042



Tritanopia

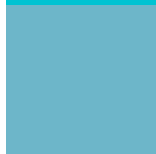
31.3982, 43.7979, 68.4270

Trichromacy



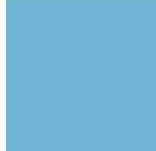
Original Color

31.1480, 43.6834, 67.7628



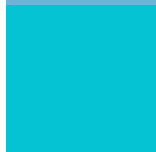
Protanomaly

33.5772, 40.9242, 61.3878



Deuteranomaly

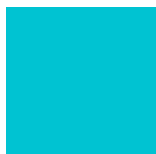
34.6382, 40.6978, 68.9806



Tritanomaly

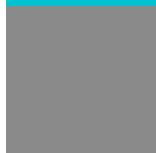
31.3481, 43.7721, 68.4247

Monochromacy



Original Color

31.1480, 43.6834, 67.7628



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.1235, 29.5513, 39.6072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1480, 43.6834, 67.7628 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, 195, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 210)  
}
```

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, 195, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 210) }
```

Border

The CSS property to change the border of an element to XYZ 31.1480, 43.6834, 67.7628 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, 195, 210) }
```


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

```
.border{ border-color:rgb(0, 195, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 195, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 195, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 195, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 195,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1480, 43.6834, 67.7628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 210) }
```

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

```
.background{ background-color: rgb(0, 195,  
210) }
```

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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