

Converting Colors

XYZ(31.4362, 43.0299, 67.0425)

Have a look what the booklet for
XYZ(31.4362, 43.0299, 67.0425)
contains.

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Color

**XYZ(31.5334, 43.2356,
67.0049)**

Conversions

Conversions Part 1

Format	Color
Hex	2AC1D1
RGB	42, 193, 209
RGB Percent	16%, 76%, 82%
CMY	0.8352, 0.2431, 0.1804
CMYK	0.80, 0.08, 0.00, 0.18
HSL	186°, 67%, 49%
HSV	186°, 80%, 82%
XYZ	31.5334, 43.2356, 67.0049
YIQ	149.6750, -95.1320, -27.0360

Conversions

Conversions Part 2

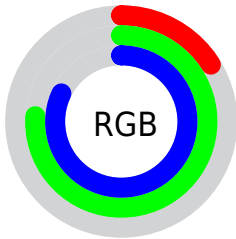
Format	Color
R_{YB}	42, 121, 209
Decimal	2802129
CIE _{Lab}	71.71, -31.94, -18.88
CIE _{LCh}	72, 37.108, 210.590
Yxy	43.2356, 0.2224, 0.3050
Android (android.graphics.Color)	4280992209 (0xFF2AC1D1)
YUV	149.6750, 29.2472, -94.4310
Hunter-Lab	65.7538, -29.4663, -14.3905

Details

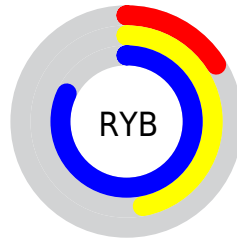
The XYZ color **31.5334, 43.2356, 67.0049** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **28.2267, 16.7501, 3.9372**, and the grayscale version is **28.7630, 30.2610, 32.9542**.

A 20% lighter version of the original color is **59.5717, 79.3731, 106.7885**, and **15.1490, 20.8318, 34.2328** is the 20% darker color. If you saturate the color by 10%, you get **30.4513, 42.0259, 66.8293**, and if you desaturate by 10%, it is **33.0694, 44.6899, 67.2055**.

Distribution



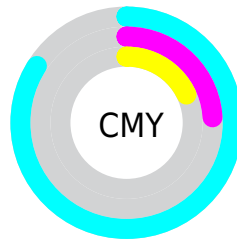
- Red (16%)
- Green (76%)
- Blue (82%)



- Red (16%)
- Yellow (47%)
- Blue (82%)



- Cyan (80%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)



- Cyan (84%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5334, 43.2356, 67.0049 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 31.5334, 43.2356, 67.0049 by changing the saturation by 10% instead.

■ 31.5334, 43.2356,
67.0049

■ 31.5334, 43.2356,
67.0049

300.7714,
359.5798, 468.4642

■ 21.1592, 30.0700,
48.6270

■ 61.4490, 80.0663,
116.5681

■ 13.3535, 19.8917,
33.9602

■ 81.7211, 104.5001,
148.5906

■ 7.7511, 12.3164,
22.5859

■ 106.0233,
133.4589, 185.9982

■ 3.9866, 6.9595,
14.0856

■ 134.7208,
167.3269, 229.2097

■ 1.6945, 3.4368,
8.0408

■ 168.1790,
206.4886, 278.6435

■ 0.4528, 1.3638,
4.0329

206.7632,

■ 0.0000, 0.1898,

251.3284, 334.7181

1.6434

250.8389,
302.2307, 397.8522

■ 0.0000, 0.0000,
0.3215

■ 0.0000, 0.0000,
0.0000

■ 31.5334, 43.2356,
67.0049

■ 31.5334, 43.2356,
67.0049

■ 30.4513, 42.0259,
66.8293

■ 33.0694, 44.6899,
67.2055

■ 29.7086, 40.9992,
66.6702

■ 35.1163, 46.4157,
67.4307

■ 29.7015, 40.9890,
66.6686

■ 37.7267, 48.4409,
67.6840

■ 40.9457, 50.7889,
67.9676

■ 44.8139, 53.4805,
68.2832

■ 49.3683, 56.5350,
68.6328

■ 54.6430, 59.9699,
69.0178

■ 60.6699, 63.8018,
69.4397

■ 67.4791, 68.0461,
69.9001

Harmonies

Analogous

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



30.1434, 43.2356, 47.4341



31.5334, 43.2356, 67.0049



35.4342, 43.2356, 84.1762

Triad

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



31.5334, 43.2356, 67.0049



52.5617, 43.2356, 66.2255



40.9696, 43.2356, 20.2313

Complementary

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



31.5334, 43.2356, 67.0049



28.2267, 16.7501, 3.9372

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.



47.3268, 43.2356, 22.8814



31.5334, 43.2356, 67.0049



54.4198, 43.2356, 46.7201

Square

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



31.5334, 43.2356, 67.0049



47.5644, 43.2356, 83.6514



52.4150, 43.2356, 31.5516



35.2390, 43.2356, 23.1029

Rectangle

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



31.5334, 43.2356, 67.0049



39.1475, 43.2356, 90.2068



52.4150, 43.2356, 31.5516



43.1043, 43.2356, 20.4970

Sweetspot

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



31.5348, 43.2372, 67.0060



74.1648, 86.4987, 107.3948



24.4683, 46.3789, 11.3948



15.3335, 18.1501, 22.9451



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.



31.5348, 43.2372, 67.0060



46.9068, 64.7441, 104.6323



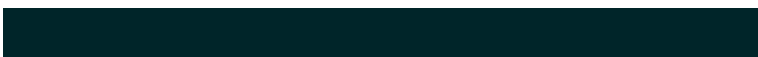
18.2134, 16.5946, 62.5655



12.0575, 13.2053, 15.1570



18.3527, 25.3519, 41.1186



1.0549, 1.4751, 2.3087

Inverse Universe

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



36.7492, 19.0628, 52.1963



55.8518, 27.2819, 78.3289



36.0070, 32.3108, 6.5306



12.2599, 11.9887, 14.6446



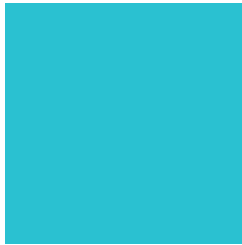
21.8943, 10.6306, 30.6792



1.2387, 0.6002, 1.7919

Previews

White Background



This preview shows how the XYZ color 31.5334, 43.2356, 67.0049 looks on a white background.

Color Contrast Check

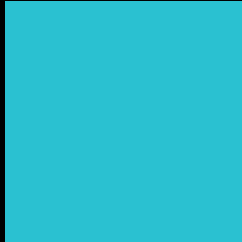
Large Text (above 18pt) WCAG AA × Fail

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 31.5334, 43.2356, 67.0049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

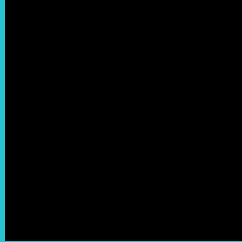
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

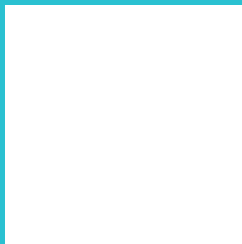
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5334, 43.2356, 67.0049

Background



This preview shows how black text looks on a background with the XYZ color 31.5334, 43.2356, 67.0049.

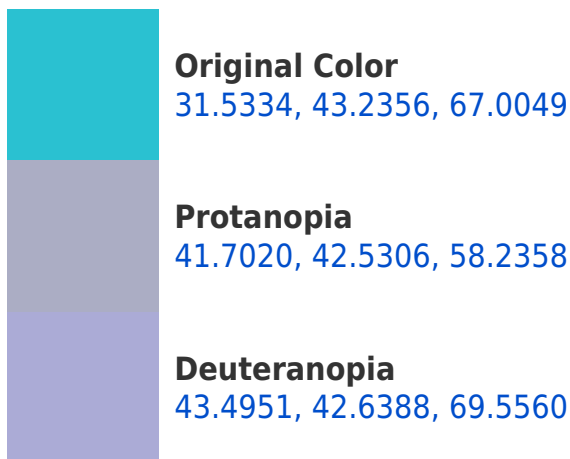


This preview shows how white text looks on a background with the XYZ color 31.5334, 43.2356,

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





Tritanopia

31.5334, 43.2356, 67.0049

Trichromacy



Original Color

31.5334, 43.2356, 67.0049



Protanomaly

35.1761, 41.1446, 61.3461



Deuteranomaly

36.3159, 41.2788, 68.3409



Tritanomaly

31.5334, 43.2356, 67.0049

Monochromacy



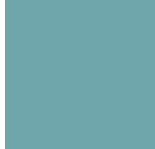
Original Color

31.5334, 43.2356, 67.0049



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

27.5424, 33.5922, 43.5604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5334, 43.2356, 67.0049 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(42, 193, 209)` looks like.

```
.text, #text, p{  
    color:rgb(42, 193, 209)  
}
```

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(42, 193, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 193, 209) }
```

Border

The CSS property to change the border of an element to XYZ 31.5334, 43.2356, 67.0049 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(42, 193, 209) }
```


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

```
.border{ border-color:rgb(42, 193, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 193, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 193, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 193, 209);  
box-shadow:4px 4px 4px 4px rgb(42, 193,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5334, 43.2356, 67.0049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 193, 209) }
```

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

```
.background{ background-color: rgb(42, 193,  
209) }
```

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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