

Converting Colors

XYZ(31.5562, 45.3426, 60.7115)

Have a look what the booklet for
XYZ(31.5562, 45.3426, 60.7115)
contains.

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Color

**XYZ(31.5713, 45.4163,
60.5283)**

Conversions

Conversions Part 1

Format	Color
Hex	2AC7C6
RGB	42, 199, 198
RGB Percent	16%, 78%, 78%
CMY	0.8352, 0.2196, 0.2235
CMYK	0.79, 0.00, 0.01, 0.22
HSL	180°, 65%, 47%
HSV	180°, 79%, 78%
XYZ	31.5713, 45.4163, 60.5283
YIQ	151.9430, -93.2510, -33.5950

Conversions

Conversions Part 2

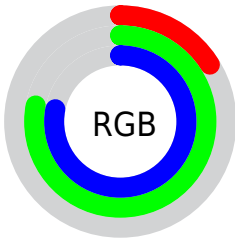
Format	Color
R _Y B	42, 121, 199
Decimal	2803654
CIE Lab	73.17, -38.06, -10.72
CIE LCh	73, 39.537, 195.725
Yxy	45.4163, 0.2296, 0.3303
Android (android.graphics.Color)	4280993734 (0xFF2AC7C6)
YUV	151.9430, 22.7061, -96.4200
Hunter-Lab	67.3916, -34.3125, -6.0776

Details

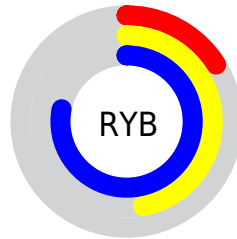
The XYZ color **31.5713, 45.4163, 60.5283** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted cyan. A complement of this color would be **24.8187, 13.9739, 3.6760**, and the grayscale version is **29.7566, 31.3062, 34.0925**.

A 20% lighter version of the original color is **61.1461, 82.5219, 107.3133**, and **15.0073, 21.9601, 29.8333** is the 20% darker color. If you saturate the color by 10%, you get **30.9360, 45.0915, 60.4232**, and if you desaturate by 10%, it is **32.6131, 45.9527, 60.6546**.

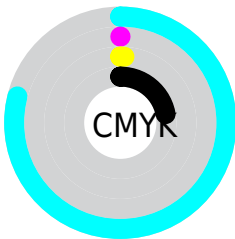
Distribution



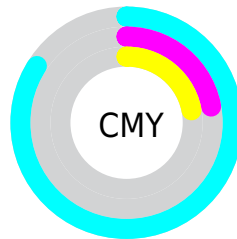
- Red (16%)
- Green (78%)
- Blue (78%)



- Red (16%)
- Yellow (47%)
- Blue (78%)



- Cyan (79%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)



- Cyan (84%)
- Magenta (22%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5713, 45.4163, 60.5283 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 31.5713, 45.4163, 60.5283 by changing the saturation by 10% instead.

■ 31.5713, 45.4163,
60.5283

■ 31.5713, 45.4163,
60.5283

300.9418,
368.4570, 444.4009

■ 21.1882, 31.7855,
43.4165

■ 61.5082, 83.3448,
107.1465

■ 13.3749, 21.1977,
29.8782

■ 81.7926, 108.4112,
137.4900

■ 7.7660, 13.2686,
19.4949

■ 106.1083,
138.0582, 173.0812

■ 3.9961, 7.6138,
11.8480

■ 134.8205,
172.6703, 214.3386

■ 1.6999, 3.8488,
6.5190

■ 168.2946,
212.6318, 261.6807

■ 0.4562, 1.5893,
3.0893

206.8960,

■ 0.0000, 0.3504,

258.3272, 315.5261

1.1404

250.9899,
310.1408, 376.2933

■ 0.0000, 0.0000,
0.0000

■ 31.5713, 45.4163,
60.5283

■ 31.5713, 45.4163,
60.5283

■ 30.9360, 45.0915,
60.4232

■ 32.6131, 45.9527,
60.6546

■ 30.6157, 44.9281,
60.3318

■ 34.1101, 46.7227,
60.8012

■ 30.5864, 44.9131,
60.3220

■ 36.1084, 47.7512,
60.9713

■ 38.6475, 49.0584,
61.1668

■ 41.7629, 50.6628,
61.3894

■ 45.4871, 52.5810,
61.6405

■ 49.8501, 54.8285,
61.9215

■ 54.8802, 57.4199,
62.2339

■ 60.6036, 60.3687,
62.5787

Harmonies

Analogous

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



31.5005, 45.4163, 40.6268



31.5713, 45.4163, 60.5283



34.5186, 45.4163, 82.1072

Triad

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



31.5713, 45.4163, 60.5283



53.4251, 45.4163, 81.1538



46.5358, 45.4163, 20.9255

Complementary

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



31.5713, 45.4163, 60.5283



24.8187, 13.9739, 3.6760

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.



53.1509, 45.4163, 26.8546



31.5713, 45.4163, 60.5283



57.4074, 45.4163, 59.4676

Square

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



31.5713, 45.4163, 60.5283



46.8789, 45.4163, 96.0177



57.3020, 45.4163, 39.8144



39.6561, 45.4163, 21.0666

Rectangle

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



31.5713, 45.4163, 60.5283



37.9183, 45.4163, 93.0214



57.3020, 45.4163, 39.8144



48.8787, 45.4163, 22.1875

Sweetspot

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



31.5727, 45.4180, 60.5294



75.9440, 90.1578, 107.6780



21.9082, 41.5650, 9.0599



15.7698, 19.0475, 23.0144



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.



31.5727, 45.4180, 60.5294



53.7244, 78.7245, 105.6723



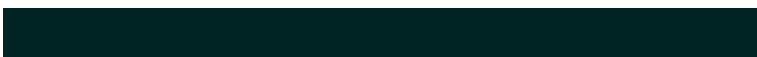
18.3629, 18.8130, 56.6981



10.9437, 12.0664, 13.6538



19.6684, 28.8798, 38.7942



0.9323, 1.3678, 1.8420

Inverse Universe

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



24.8187, 13.9739, 3.6760



41.4620, 21.5740, 2.4050



30.4378, 25.2411, 5.4595



10.6366, 10.6380, 11.0696



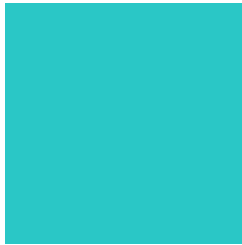
15.1509, 7.8099, 0.7388



0.7184, 0.3702, 0.0401

Previews

White Background



This preview shows how the XYZ color 31.5713, 45.4163, 60.5283 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 31.5713, 45.4163, 60.5283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

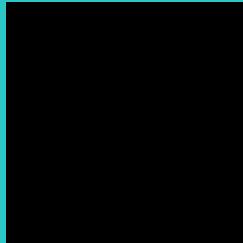
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

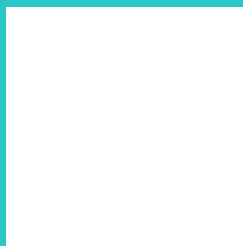
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5713, 45.4163, 60.5283

Background



This preview shows how black text looks on a background with the XYZ color 31.5713, 45.4163, 60.5283.

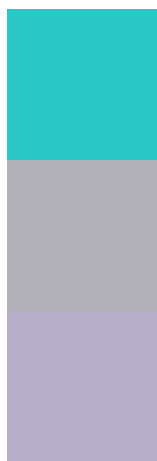


This preview shows how white text looks on a background with the XYZ color 31.5713, 45.4163,

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

31.5713, 45.4163, 60.5283

Protanopia

43.0695, 44.5308, 52.2242

Deuteranopia

45.5636, 44.6990, 63.3531



Tritanopia

33.4978, 45.5209, 69.9717

Trichromacy



Original Color

31.5713, 45.4163, 60.5283



Protanomaly

35.6965, 43.0828, 55.1496



Deuteranomaly

37.1099, 43.0368, 62.2281



Tritanomaly

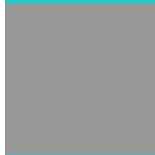
32.8946, 45.6203, 66.7464

Monochromacy



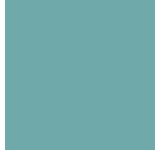
Original Color

31.5713, 45.4163, 60.5283



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

28.0315, 34.6853, 42.7536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5713, 45.4163, 60.5283 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, 199, 198)` looks like.

```
.text, #text, p{  
    color:rgb(42, 199, 198)  
}
```

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, 199, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 199, 198) }
```

Border

The CSS property to change the border of an element to XYZ 31.5713, 45.4163, 60.5283 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, 199, 198) }
```


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

```
.border{ border-color:rgb(42, 199, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 199, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 199, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 199, 198);  
box-shadow:4px 4px 4px 4px rgb(42, 199,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5713, 45.4163, 60.5283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 199, 198) }
```

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

```
.background{ background-color: rgb(42, 199,  
198) }
```

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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