

Converting Colors

XYZ(31.6948, 44.1316, 60.2738)

Have a look what the booklet for
XYZ(31.6948, 44.1316, 60.2738)
contains.

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Color

**XYZ(31.6948, 44.1316,
60.2738)**

Conversions

Conversions Part 1

Format	Color
Hex	3EC3C6
RGB	62, 195, 198
RGB Percent	24%, 76%, 78%
CMY	0.7568, 0.2353, 0.2235
CMYK	0.69, 0.02, 0.00, 0.22
HSL	181°, 54%, 51%
HSV	181°, 69%, 78%
XYZ	31.6948, 44.1316, 60.2738
YIQ	155.5750, -80.2310, -27.2630

Conversions

Conversions Part 2

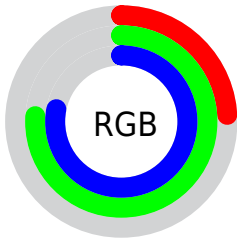
Format	Color
RYB	62, 129, 198
Decimal	4113350
CIELab	72.32, -33.95, -11.95
CIElCh	72, 35.989, 199.389
Yxy	44.1316, 0.2329, 0.3243
Android (android.graphics.Color)	4282303430 (0xFF3EC3C6)
YUV	155.5750, 20.9155, -82.0653
Hunter-Lab	66.4316, -31.0922, -7.2920

Details

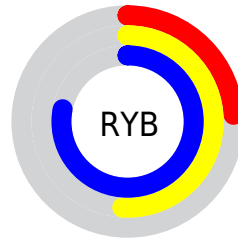
The XYZ color **31.6948, 44.1316, 60.2738** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.0495, 16.1353, 6.3002**, and the grayscale version is **31.3479, 32.9805, 35.9157**.

A 20% lighter version of the original color is **61.7625, 81.4300, 107.0701**, and **14.5589, 21.0634, 29.6839** is the 20% darker color. If you saturate the color by 10%, you get **30.5747, 43.4101, 60.1944**, and if you desaturate by 10%, it is **33.2700, 45.0900, 60.3766**.

Distribution



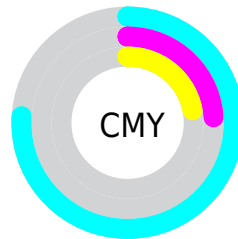
- Red (24%)
- Green (76%)
- Blue (78%)



- Red (24%)
- Yellow (51%)
- Blue (78%)



- Cyan (69%)
- Magenta (2%)
- Yellow (0%)
- Black (22%)



- Cyan (76%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6948, 44.1316, 60.2738 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 31.6948, 44.1316, 60.2738 by changing the saturation by 10% instead.

■ 31.6948, 44.1316,
60.2738

■ 31.6948, 44.1316,
60.2738

301.4967,
363.2450, 443.4389

■ 21.2829, 30.7740,
43.2126

■ 61.7008, 81.4157,
106.7740

■ 13.4446, 20.4268,
29.7193

■ 82.0255, 106.1110,
137.0501

■ 7.8145, 12.7057,
19.3754

■ 106.3853,
135.3544, 172.5683

■ 4.0273, 7.2262,
11.7623

■ 135.1454,
169.5301, 213.7470

■ 1.7176, 3.6040,
6.4615

■ 168.6713,
209.0226, 261.0049

■ 0.4672, 1.4546,
3.0544

207.3282,

■ 0.0000, 0.2564,

254.2164, 314.7605

1.1225

251.4815,
305.4957, 375.4323

■ 0.0000, 0.0000,
0.0000

■ 31.6948, 44.1316,
60.2738

■ 31.6948, 44.1316,
60.2738

■ 30.5747, 43.4101,
60.1944

■ 33.2700, 45.0900,
60.3766

■ 29.8539, 42.8940,
60.1327

■ 35.3405, 46.3033,
60.5016

■ 29.4495, 42.5413,
60.0860

■ 37.9464, 47.7929,
60.6518

■ 29.4040, 42.4990,
60.0802

■ 41.1227, 49.5771,
60.8288

■ 44.9015, 51.6722,
61.0340

■ 49.3125, 54.0937,
61.2689

■ 54.3834, 56.8558,
61.5348

■ 60.1401, 59.9720,
61.8329

■ 66.6075, 63.4548,
62.1643

Harmonies

Analogous

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



31.3054, 44.1316, 42.0473



31.6948, 44.1316, 60.2738



34.6688, 44.1316, 78.8355

Triad

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



31.6948, 44.1316, 60.2738



51.6409, 44.1316, 73.8161



44.1747, 44.1316, 21.7404

Complementary

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



31.6948, 44.1316, 60.2738



26.0495, 16.1353, 6.3002

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.



50.1758, 44.1316, 26.5499



31.6948, 44.1316, 60.2738



54.7593, 44.1316, 54.6024

Square

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



31.6948, 44.1316, 60.2738



46.0206, 44.1316, 87.8884



54.1982, 44.1316, 37.6049



38.1189, 44.1316, 22.5457

Rectangle

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



31.6948, 44.1316, 60.2738



37.8958, 44.1316, 87.5175



54.1982, 44.1316, 37.6049



46.2745, 44.1316, 22.6960

Sweetspot

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



31.6961, 44.1333, 60.2749



77.6431, 90.4690, 107.9778



23.1148, 41.7865, 11.7390



16.2112, 19.1383, 23.0896



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.



31.6961, 44.1333, 60.2749



53.4791, 76.4123, 106.5382



19.8655, 20.4719, 56.3313



10.9259, 12.0259, 13.6629



19.1307, 27.6553, 39.0741



0.9123, 1.3225, 1.8523

Inverse Universe

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



34.8628, 19.3924, 53.5372



59.5296, 30.1328, 93.4420



32.4469, 28.9302, 8.4327



11.0726, 10.8124, 13.3657



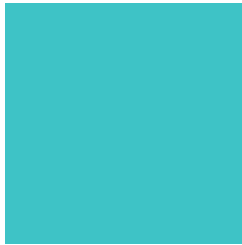
21.4556, 10.3318, 33.9388



1.0192, 0.4905, 1.6243

Previews

White Background



This preview shows how the XYZ color 31.6948, 44.1316, 60.2738 looks on a white background.

Color Contrast Check

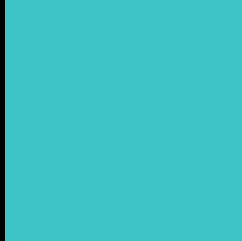
Large Text (above 18pt) WCAG AA × Fail

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 31.6948, 44.1316, 60.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

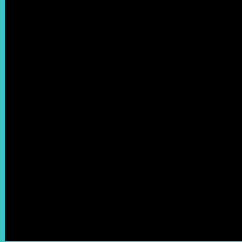
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

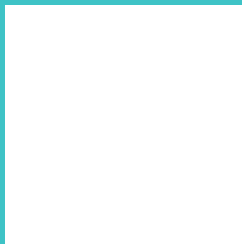
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6948, 44.1316, 60.2738

Background



This preview shows how black text looks on a background with the XYZ color 31.6948, 44.1316, 60.2738.

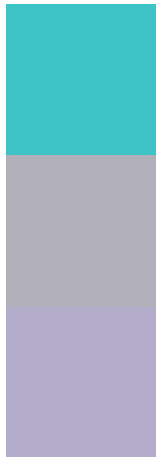


This preview shows how white text looks on a background with the XYZ color 31.6948, 44.1316,

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

31.6948, 44.1316, 60.2738

Protanopia

42.0974, 43.4352, 52.6194

Deuteranopia

44.3544, 43.5201, 62.5624



Tritanopia

32.9625, 43.9723, 67.0718

Trichromacy



Original Color

31.6948, 44.1316, 60.2738



Protanomaly

36.0139, 42.3245, 54.9865



Deuteranomaly

37.1804, 42.1779, 61.4399



Tritanomaly

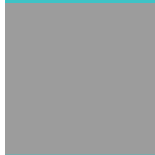
32.5580, 44.1496, 64.5633

Monochromacy



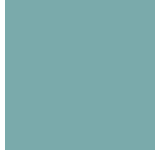
Original Color

31.6948, 44.1316, 60.2738



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.7515, 35.8273, 43.8754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6948, 44.1316, 60.2738 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(62, 195, 198)` looks like.

```
.text, #text, p{  
    color:rgb(62, 195, 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(62, 195, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 195, 198) }
```

Border

The CSS property to change the border of an element to XYZ 31.6948, 44.1316, 60.2738 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(62, 195, 198) }
```


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

```
.border{ border-color:rgb(62, 195, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 195, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 195, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 195, 198);  
box-shadow:4px 4px 4px 4px rgb(62, 195,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6948, 44.1316, 60.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 195, 198) }
```

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

```
.background{ background-color: rgb(62, 195,  
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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