

Converting Colors

XYZ(31.6232, 40.7483, 39.8693)

Have a look what the booklet for
XYZ(31.6232, 40.7483, 39.8693)
contains.

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Color

**XYZ(31.5349, 40.6511,
39.9026)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB7A1
RGB	123, 183, 161
RGB Percent	48%, 72%, 63%
CMY	0.5176, 0.2823, 0.3686
CMYK	0.33, 0.00, 0.12, 0.28
HSL	158°, 29%, 60%
HSV	158°, 33%, 72%
XYZ	31.5349, 40.6511, 39.9026
YIQ	162.5520, -28.6980, -19.5620

Conversions

Conversions Part 2

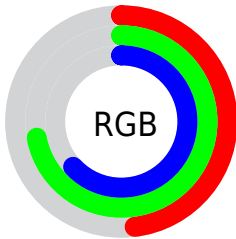
Format	Color
RYB	123, 160, 183
Decimal	8107937
CIELab	69.93, -24.25, 5.03
CIElCh	70, 24.766, 168.274
Yxy	40.6511, 0.2813, 0.3627
Android (android.graphics.Color)	4286298017 (0xFF7BB7A1)
YUV	162.5520, -0.7651, -34.6871
Hunter-Lab	63.7582, -23.2905, 7.5245

Details

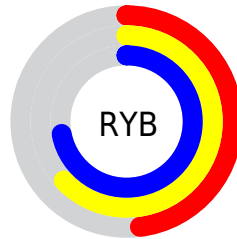
The XYZ color **31.5349, 40.6511, 39.9026** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.7236, 26.2786, 30.1900**, and the grayscale version is **34.6157, 36.4185, 39.6597**.

A 20% lighter version of the original color is **61.3926, 76.0380, 76.4068**, and **13.3956, 18.4306, 17.6033** is the 20% darker color. If you saturate the color by 10%, you get **28.5819, 39.1964, 36.7582**, and if you desaturate by 10%, it is **35.0113, 42.3741, 43.2390**.

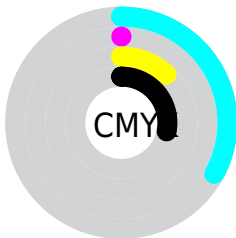
Distribution



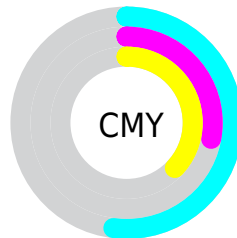
- Red (48%)
- Green (72%)
- Blue (63%)



- Red (48%)
- Yellow (63%)
- Blue (72%)



- Cyan (33%)
- Magenta (0%)
- Yellow (12%)
- Black (28%)



- Cyan (52%)
- Magenta (28%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5349, 40.6511, 39.9026 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 31.5349, 40.6511, 39.9026 by changing the saturation by 10% instead.

■ 31.5349, 40.6511,
39.9026

■ 31.5349, 40.6511,
39.9026

300.7782,
348.8603, 361.2528

■ 21.1603, 28.0466,
27.1494

■ 61.4514, 76.1540,
76.2506

■ 13.3544, 18.3608,
17.4520

■ 81.7240, 99.8211,
100.6826

■ 7.7517, 11.2093,
10.3919

■ 106.0266,
127.9445, 129.8445

■ 3.9869, 6.2078,
5.5506

134.7247,
160.9087, 164.1549

■ 1.6947, 2.9718,
2.5095

168.1835,
199.0979, 204.0324

■ 0.4530, 1.1171,
0.8452

206.7685,

■ 0.0000, 0.0000,

242.8967, 249.8955

0.0000

250.8449,
292.6893, 302.1628

■ 31.5349, 40.6511,
39.9026

■ 31.5349, 40.6511,
39.9026

■ 28.5819, 39.1964,
36.7582

■ 35.0113, 42.3741,
43.2390

■ 26.1211, 37.9908,
33.7993

■ 39.0334, 44.3736,
46.7684

■ 24.1232, 37.0202,
31.0227

■ 43.6263, 46.6636,
50.4954

■ 22.5540, 36.2671,
28.4240

■ 48.8124, 49.2556,
54.4233

■ 21.3745, 35.7116,
25.9987

■ 54.6131, 52.1605,
58.5556

■ 20.5383, 35.3295,
23.7418

■ 61.0484, 55.3886,
62.8954

■ 20.0806, 35.1270,
22.2136

■ 68.1377, 58.9499,
67.4460

■ 70.3996, 60.0186,
71.9530

■ 71.2783, 60.3700,
76.5799

Harmonies

Analogous

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



33.1370, 40.6511, 31.0714



31.5349, 40.6511, 39.9026



31.7354, 40.6511, 51.5934

Triad

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



31.5349, 40.6511, 39.9026



41.1192, 40.6511, 68.8621



44.0291, 40.6511, 29.6767

Complementary

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



31.5349, 40.6511, 39.9026



31.7236, 26.2786, 30.1900

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.



46.4744, 40.6511, 37.6605



31.5349, 40.6511, 39.9026



44.7156, 40.6511, 60.7402

Square

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



31.5349, 40.6511, 39.9026



37.0838, 40.6511, 69.7470



46.7341, 40.6511, 48.9282



40.2343, 40.6511, 25.8917

Rectangle

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



31.5349, 40.6511, 39.9026



32.8669, 40.6511, 59.4842



46.7341, 40.6511, 48.9282



45.0472, 40.6511, 31.8874

Sweetspot

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



31.5360, 40.6528, 39.9035



71.9613, 80.4932, 85.4736



32.3640, 41.4097, 25.0267



15.6494, 17.6566, 18.6754



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.5360, 40.6528, 39.9035



52.7527, 70.9673, 67.5647



32.2423, 38.6821, 50.5687



9.1232, 10.1532, 10.8059



14.0419, 24.5177, 15.6745



0.5237, 0.8758, 0.7037

Inverse Universe

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



31.7236, 26.2786, 30.1900



53.1428, 41.4154, 47.6165



31.0875, 27.4637, 22.4021



9.1371, 9.0652, 10.0694



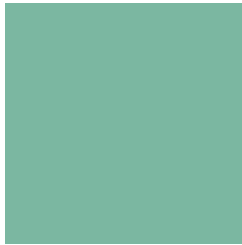
14.3629, 7.3189, 4.5317



0.5366, 0.2701, 0.3192

Previews

White Background



This preview shows how the XYZ color 31.5349, 40.6511, 39.9026 looks on a white background.

Color Contrast Check

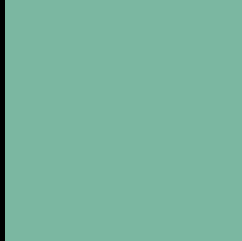
Large Text (above 18pt) WCAG AA × Fail

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 31.5349, 40.6511, 39.9026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

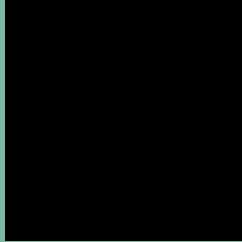
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5349, 40.6511, 39.9026

Background



This preview shows how black text looks on a background with the XYZ color 31.5349, 40.6511, 39.9026.



This preview shows how white text looks on a background with the XYZ color 31.5349, 40.6511,

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

31.5349, 40.6511, 39.9026

Protanopia

38.3389, 40.4297, 36.3549

Deuteranopia

41.2329, 40.4457, 41.2309



Tritanopia

34.7520, 40.4369, 56.4256

Trichromacy



Original Color

31.5349, 40.6511, 39.9026

Protanomaly

35.3204, 40.2624, 37.8081

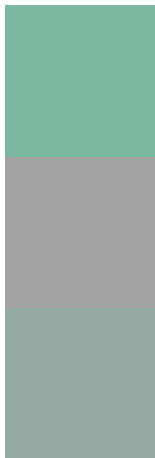
Deuteranomaly

36.9704, 40.1847, 40.9298

Tritanomaly

33.4141, 40.4907, 49.7704

Monochromacy



Original Color

31.5349, 40.6511, 39.9026

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.1091, 37.6540, 39.7053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5349, 40.6511, 39.9026 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(123, 183, 161)` looks like.

```
.text, #text, p{  
    color:rgb(123, 183, 161)  
}
```

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(123, 183, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 183, 161) }
```

Border

The CSS property to change the border of an element to XYZ 31.5349, 40.6511, 39.9026 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(123, 183, 161) }
```


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

```
.border{ border-color:rgb(123, 183, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 183, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 183, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 183, 161);  
box-shadow:4px 4px 4px 4px rgb(123, 183,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5349, 40.6511, 39.9026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 183, 161) }
```

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

```
.background{ background-color: rgb(123,  
183, 161) }
```

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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