

Converting Colors

XYZ(31.6190, 49.2978, 48.0358)

Have a look what the booklet for
XYZ(31.6190, 49.2978, 48.0358)
contains.

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Color

**XYZ(31.5672, 49.2378,
47.8845)**

Conversions

Conversions Part 1

Format	Color
Hex	2ED1AE
RGB	46, 209, 174
RGB Percent	18%, 82%, 68%
CMY	0.8196, 0.1804, 0.3176
CMYK	0.78, 0.00, 0.17, 0.18
HSL	167°, 64%, 50%
HSV	167°, 78%, 82%
XYZ	31.5672, 49.2378, 47.8845
YIQ	156.2730, -85.9130, -45.4410

Conversions

Conversions Part 2

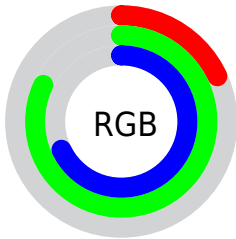
Format	Color
R _Y B	46, 137, 209
Decimal	3068334
CIE Lab	75.60, -48.56, 5.84
CIE LCh	76, 48.913, 173.147
Yxy	49.2378, 0.2453, 0.3826
Android (android.graphics.Color)	4281258414 (0xFF2ED1AE)
YUV	156.2730, 8.7394, -96.7094
Hunter-Lab	70.1697, -42.4951, 8.6586

Details

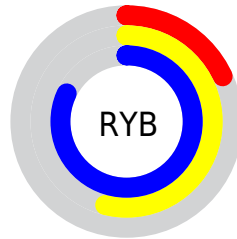
The XYZ color **31.5672, 49.2378, 47.8845** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **28.7584, 16.1048, 9.3795**, and the grayscale version is **31.7134, 33.3649, 36.3344**.

A 20% lighter version of the original color is **57.5106, 81.0991, 86.7513**, and **14.9041, 24.1876, 22.2955** is the 20% darker color. If you saturate the color by 10%, you get **30.4146, 48.6946, 45.5854**, and if you desaturate by 10%, it is **33.1950, 50.0268, 50.2844**.

Distribution



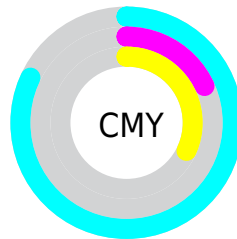
- Red (18%)
- Green (82%)
- Blue (68%)



- Red (18%)
- Yellow (54%)
- Blue (82%)



- Cyan (78%)
- Magenta (0%)
- Yellow (17%)
- Black (18%)





- Cyan (82%)
- Magenta (18%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5672, 49.2378, 47.8845 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 31.5672, 49.2378, 47.8845 by changing the saturation by 10% instead.


 31.5672, 49.2378,
47.8845


 31.5672, 49.2378,
47.8845


300.9234,
383.6777, 394.8296

 21.1851, 34.8082,
33.3761


 61.5018, 89.0445,
88.3962


 13.3726, 23.5151,
22.1412


 81.7849, 115.1904,
115.2365


 7.7644, 14.9743,
13.7614


 106.0991,
146.0105, 147.0246

 3.9951, 8.8014,
7.8181

 134.8097,
181.8892, 184.1789

 1.6994, 4.6119,
3.8926

 168.2821,
223.2108, 227.1180

 0.4559, 2.0214,
1.5666

206.8816,

 0.0000, 0.6198,

270.3599, 276.2605

0.2668

250.9736,
323.7207, 332.0248

■ 0.0000, 0.0000,
0.0000

■ 31.5672, 49.2378,
47.8845

■ 31.5672, 49.2378,
47.8845

■ 30.4146, 48.6946,
45.5854

■ 33.1950, 50.0268,
50.2844

■ 29.6478, 48.3473,
43.3788

■ 35.3528, 51.0860,
52.7851

■ 29.5131, 48.2873,
42.9444

■ 38.0920, 52.4433,
55.3908

■ 41.4570, 54.1214,
58.1042

■ 45.4875, 56.1409,
60.9279

■ 50.2201, 58.5206,
63.8644

■ 55.6886, 61.2778,
66.9158

■ 61.9247, 64.4290,
70.0844

■ 68.9581, 67.9893,
73.3721

Harmonies

Analogous

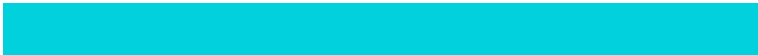
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.2156, 49.2378, 28.9416



31.5672, 49.2378, 47.8845



32.5587, 49.2378, 75.6727

Triad

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



31.5672, 49.2378, 47.8845



53.9744, 49.2378, 113.6963



58.0252, 49.2378, 22.8149

Complementary

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



31.5672, 49.2378, 47.8845



28.7584, 16.1048, 9.3795

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.



64.6830, 49.2378, 36.3181



31.5672, 49.2378, 47.8845



62.1418, 49.2378, 89.3809

Square

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



31.5672, 49.2378, 47.8845



44.7541, 49.2378, 119.8349



66.2790, 49.2378, 59.7780



48.9054, 49.2378, 17.8040

Rectangle

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



31.5672, 49.2378, 47.8845



35.2214, 49.2378, 95.4013



66.2790, 49.2378, 59.7780



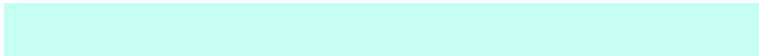
60.6707, 49.2378, 26.2521

Sweetspot

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



31.5686, 49.2397, 47.8857



74.7041, 89.7379, 97.7078



26.7159, 47.5636, 10.3584



15.4279, 18.9253, 20.5562



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.



31.5686, 49.2397, 47.8857



46.8043, 75.9610, 69.0244



25.7017, 31.3158, 65.0137



12.0451, 13.3618, 14.5940



18.2338, 29.7865, 26.6752



1.0473, 1.6766, 1.6377

Inverse Universe

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



28.7584, 16.1048, 9.3795



42.4214, 22.0127, 7.2877



30.6325, 21.4406, 5.1097



11.9112, 11.8492, 12.8080



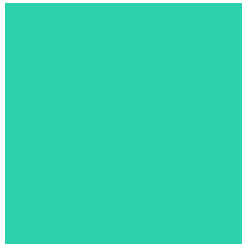
16.5330, 8.4860, 2.4470



0.9545, 0.4865, 0.2952

Previews

White Background



This preview shows how the XYZ color 31.5672, 49.2378, 47.8845 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 31.5672, 49.2378, 47.8845 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

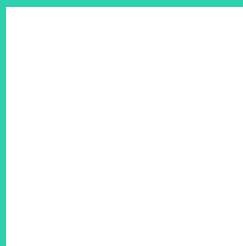
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5672, 49.2378, 47.8845

Background



This preview shows how black text looks on a background with the XYZ color 31.5672, 49.2378, 47.8845.

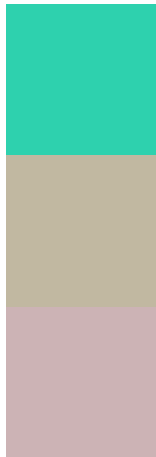


This preview shows how white text looks on a background with the XYZ color 31.5672, 49.2378,

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

31.5672, 49.2378, 47.8845

Protanopia

45.5658, 48.1916, 40.6186

Deuteranopia

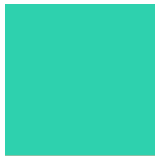
49.3624, 48.4138, 50.4592



Tritanopia

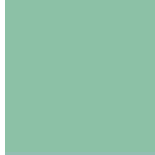
36.9662, 49.2822, 74.5819

Trichromacy



Original Color

31.5672, 49.2378, 47.8845



Protanomaly

36.7681, 46.4686, 43.1078



Deuteranomaly

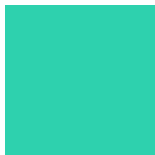
38.4820, 46.2443, 49.0173



Tritanomaly

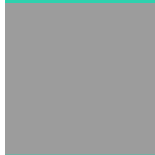
34.7252, 49.0644, 64.1401

Monochromacy



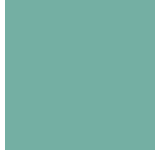
Original Color

31.5672, 49.2378, 47.8845



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.1433, 37.0173, 40.2594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5672, 49.2378, 47.8845 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(46, 209, 174)` looks like.

```
.text, #text, p{  
    color:rgb(46, 209, 174)  
}
```

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(46, 209, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 209, 174) }
```

Border

The CSS property to change the border of an element to XYZ 31.5672, 49.2378, 47.8845 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(46, 209, 174) }
```


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

```
.border{ border-color:rgb(46, 209, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 209, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 209, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 209, 174);  
box-shadow:4px 4px 4px 4px rgb(46, 209,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5672, 49.2378, 47.8845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 209, 174) }
```

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

```
.background{ background-color: rgb(46, 209,  
174) }
```

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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