

Converting Colors

XYZ(31.4657, 49.8430, 34.7503)

Have a look what the booklet for
XYZ(31.4657, 49.8430, 34.7503)
contains.

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Color

**XYZ(31.4657, 49.8430,
34.7503)**

Conversions

Conversions Part 1

Format	Color
Hex	50D291
RGB	80, 210, 145
RGB Percent	31%, 82%, 57%
CMY	0.6863, 0.1765, 0.4314
CMYK	0.62, 0.00, 0.31, 0.18
HSL	150°, 59%, 57%
HSV	150°, 62%, 82%
XYZ	31.4657, 49.8430, 34.7503
YIQ	163.7200, -56.6150, -47.7750

Conversions

Conversions Part 2

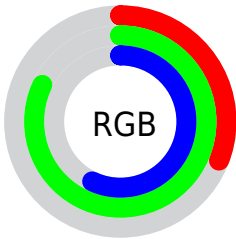
Format	Color
RYB	80, 167, 210
Decimal	5296785
CIELab	75.97, -50.55, 21.90
CIELCh	76, 55.085, 156.578
Yxy	49.8430, 0.2711, 0.4295
Android (android.graphics.Color)	4283486865 (0xFF50D291)
YUV	163.7200, -9.2290, -73.4224
Hunter-Lab	70.5996, -43.9931, 20.2362

Details

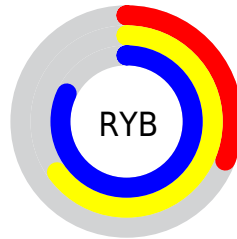
The XYZ color **31.4657, 49.8430, 34.7503** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **34.5595, 21.4844, 29.1154**, and the grayscale version is **35.2164, 37.0504, 40.3479**.

A 20% lighter version of the original color is **57.0533, 81.3062, 66.7195**, and **13.5760, 23.9194, 14.4910** is the 20% darker color. If you saturate the color by 10%, you get **29.1894, 48.7602, 30.6113**, and if you desaturate by 10%, it is **34.3734, 51.2454, 39.3117**.

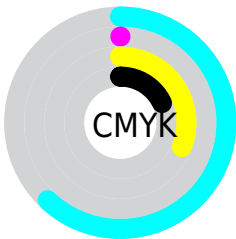
Distribution



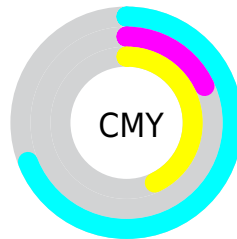
- Red (31%)
- Green (82%)
- Blue (57%)



- Red (31%)
- Yellow (65%)
- Blue (82%)



- Cyan (62%)
- Magenta (0%)
- Yellow (31%)
- Black (18%)





- Cyan (69%)
- Magenta (18%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4657, 49.8430, 34.7503 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 31.4657, 49.8430, 34.7503 by changing the saturation by 10% instead.


 31.4657, 49.8430,
34.7503


 31.4657, 49.8430,
34.7503


300.4668,
386.0517, 338.3355


 21.1073, 35.2887,
23.1886

 61.3434, 89.9422,
68.2459


 13.3154, 23.8853,
14.5262


 81.5934, 116.2559,
91.0169

 7.7246, 15.2486,
8.3446


 105.8713,
147.2581, 118.3614

 3.9695, 8.9940,
4.2253

 134.5425,
183.3333, 150.6980

 1.6849, 4.7373,
1.7498

167.9722,
224.8659, 188.4451

 0.4468, 2.0940,
0.3945

206.5260,

 0.0000, 0.6612,

272.2402, 232.0214

0.0000

250.5691,
325.8407, 281.8454

■ 0.0000, 0.0000,
0.0000

■ 31.4657, 49.8430,
34.7503

■ 31.4657, 49.8430,
34.7503

■ 29.1894, 48.7602,
30.6113

■ 34.3734, 51.2454,
39.3117

■ 27.4851, 47.9624,
26.8782

■ 37.9573, 52.9861,
44.3045

■ 26.2876, 47.4178,
23.5381

■ 42.2623, 55.0896,
49.7417

■ 25.5973, 47.1149,
21.1095

■ 47.3283, 57.5760,
55.6345

■ 53.1922, 60.4643,
61.9939

■ 59.8882, 63.7718,
68.8301

■ 67.4489, 67.5152,
76.1533

■ 75.9046, 71.7100,
83.9733

■ 79.9423, 73.6169,
92.0496

Harmonies

Analogous

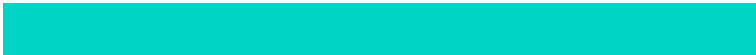
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.5537, 49.8430, 20.3442



31.4657, 49.8430, 34.7503



30.3396, 49.8430, 61.0103

Triad

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



31.4657, 49.8430, 34.7503



49.6726, 49.8430, 132.0743



65.0684, 49.8430, 27.0629

Complementary

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



31.4657, 49.8430, 34.7503



34.5595, 21.4844, 29.1154

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.



69.8249, 49.8430, 48.0464



31.4657, 49.8430, 34.7503



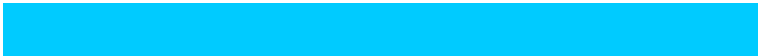
60.1437, 49.8430, 113.5366

Square

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



31.4657, 49.8430, 34.7503



39.9499, 49.8430, 124.4670



67.9037, 49.8430, 79.9996



55.6658, 49.8430, 17.1585

Rectangle

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



31.4657, 49.8430, 34.7503



31.8168, 49.8430, 83.7112



67.9037, 49.8430, 79.9996



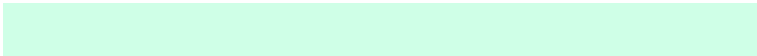
67.3212, 49.8430, 32.6954

Sweetspot

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



31.4670, 49.8450, 34.7514



75.7585, 90.4775, 88.9054



36.5587, 52.8930, 15.8725



15.6815, 19.1032, 18.4356



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.



31.4670, 49.8450, 34.7514



44.4291, 75.2495, 45.7387



37.7211, 52.3467, 67.6852



11.8993, 13.3035, 13.8260



15.6641, 28.7586, 13.1434



0.9159, 1.6240, 0.9458

Inverse Universe

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



34.5595, 21.4844, 29.1154



49.6081, 27.7525, 36.2996



30.9777, 20.0517, 10.2542



12.0517, 11.9054, 13.5482



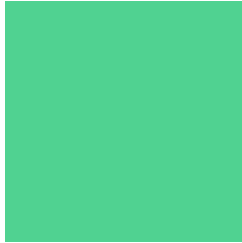
17.8186, 9.0003, 9.2168



1.0364, 0.5193, 0.7263

Previews

White Background



This preview shows how the XYZ color 31.4657, 49.8430, 34.7503 looks on a white background.

Color Contrast Check

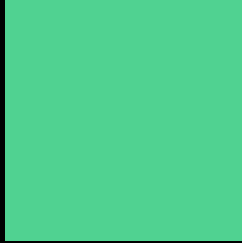
Large Text (above 18pt) WCAG AA × Fail

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 31.4657, 49.8430, 34.7503 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

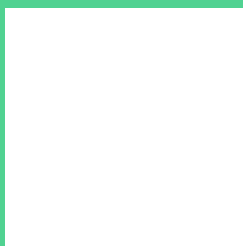
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4657, 49.8430, 34.7503

Background



This preview shows how black text looks on a background with the XYZ color 31.4657, 49.8430, 34.7503.

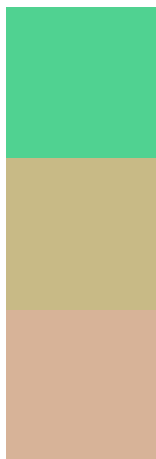


This preview shows how white text looks on a background with the XYZ color 31.4657, 49.8430,

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

31.4657, 49.8430, 34.7503

Protanopia

45.6814, 49.1184, 29.6274

Deuteranopia

49.8119, 48.9543, 36.5295



Tritanopia

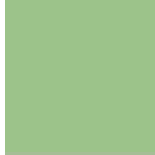
39.1199, 49.7261, 73.1819

Trichromacy



Original Color

31.4657, 49.8430, 34.7503



Protanomaly

37.8129, 47.9331, 31.3038



Deuteranomaly

39.5642, 47.1038, 35.4405



Tritanomaly

35.7162, 49.3802, 56.9391

Monochromacy



Original Color

31.4657, 49.8430, 34.7503



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.2825, 40.4686, 38.0080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4657, 49.8430, 34.7503 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(80, 210, 145)` looks like.

```
.text, #text, p{  
    color:rgb(80, 210, 145)  
}
```

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(80, 210, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 210, 145) }
```

Border

The CSS property to change the border of an element to XYZ 31.4657, 49.8430, 34.7503 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(80, 210, 145) }
```


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

```
.border{ border-color:rgb(80, 210, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 210, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 210, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 210, 145);  
box-shadow:4px 4px 4px 4px rgb(80, 210,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4657, 49.8430, 34.7503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 210, 145) }
```

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

```
.background{ background-color: rgb(80, 210,  
145) }
```

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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