

Converting Colors

XYZ(31.8660, 50.1642, 46.2851)

Have a look what the booklet for
XYZ(31.8660, 50.1642, 46.2851)
contains.

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Color

**XYZ(31.9116, 50.1818,
46.5322)**

Conversions

Conversions Part 1

Format	Color
Hex	31D3AB
RGB	49, 211, 171
RGB Percent	19%, 83%, 67%
CMY	0.8078, 0.1725, 0.3294
CMYK	0.77, 0.00, 0.19, 0.17
HSL	165°, 65%, 51%
HSV	165°, 77%, 83%
XYZ	31.9116, 50.1818, 46.5322
YIQ	158.0020, -83.7120, -46.7840

Conversions

Conversions Part 2

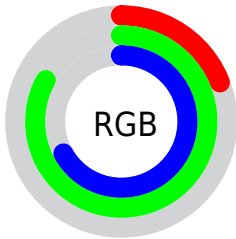
Format	Color
RYB	49, 141, 211
Decimal	3265451
CIELab	76.18, -49.82, 8.29
CIELCh	76, 50.500, 170.557
Yxy	50.1818, 0.2481, 0.3901
Android (android.graphics.Color)	4281455531 (0xFF31D3AB)
YUV	158.0020, 6.4080, -95.5948
Hunter-Lab	70.8391, -43.5578, 10.6415

Details

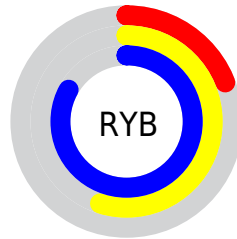
The XYZ color **31.9116, 50.1818, 46.5322** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **29.7672, 16.7681, 11.1211**, and the grayscale version is **32.5011, 34.1937, 37.2369**.

A 20% lighter version of the original color is **57.3726, 81.0759, 84.5769**, and **15.0511, 24.7746, 21.4415** is the 20% darker color. If you saturate the color by 10%, you get **30.6353, 49.5813, 43.9316**, and if you desaturate by 10%, it is **33.6862, 51.0394, 49.2605**.

Distribution



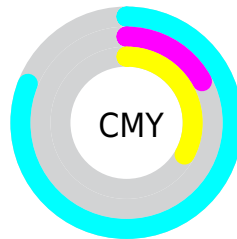
- Red (19%)
- Green (83%)
- Blue (67%)



- Red (19%)
- Yellow (55%)
- Blue (83%)



- Cyan (77%)
- Magenta (0%)
- Yellow (19%)
- Black (17%)



- Cyan (81%)
- Magenta (17%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9116, 50.1818, 46.5322 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 31.9116, 50.1818, 46.5322 by changing the saturation by 10% instead.

■ 31.9116, 50.1818,
46.5322

■ 31.9116, 50.1818,
46.5322

302.4688,
387.3765, 389.2837

■ 21.4492, 35.5579,
32.3143

■ 62.0386, 90.4442,
86.3576

■ 13.5671, 24.0929,
21.3349

■ 82.4339, 116.8514,
112.8021

■ 7.8999, 15.4026,
13.1754

■ 106.8710,
147.9552, 144.1593

■ 4.0822, 9.1024,
7.4173

■ 135.7150,
184.1400, 180.8477

■ 1.7487, 4.8080,
3.6420

■ 169.3315,
225.7901, 223.2858

■ 0.4865, 2.1351,
1.4311

208.0857,

■ 0.0000, 0.6842,

273.2899, 271.8921

0.1658

252.3430,
327.0239, 327.0853

■ 0.0000, 0.0000,
0.0000

■ 31.9116, 50.1818,
46.5322

■ 31.9116, 50.1818,
46.5322

■ 30.6353, 49.5813,
43.9316

■ 33.6862, 51.0394,
49.2605

■ 29.7765, 49.1926,
41.4506

■ 36.0140, 52.1786,
52.1170

■ 29.5445, 49.0900,
40.6736

■ 38.9470, 53.6275,
55.1062

■ 42.5298, 55.4090,
58.2315

■ 46.8030, 57.5441,
61.4958

■ 51.8036, 60.0518,
64.9018

■ 57.5659, 62.9498,
68.4523

■ 64.1223, 66.2546,
72.1498

■ 71.5029, 69.9820,
75.9968

Harmonies

Analogous

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



34.9851, 50.1818, 27.7801



31.9116, 50.1818, 46.5322



32.6141, 50.1818, 75.0451

Triad

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



31.9116, 50.1818, 46.5322



54.3716, 50.1818, 119.3550



60.2082, 50.1818, 23.4794

Complementary

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



31.9116, 50.1818, 46.5322



29.7672, 16.7681, 11.1211

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.



66.8314, 50.1818, 38.3150



31.9116, 50.1818, 46.5322



63.1645, 50.1818, 94.8580

Square

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



31.9116, 50.1818, 46.5322



44.7744, 50.1818, 123.8048



67.9795, 50.1818, 63.6376



50.7426, 50.1818, 17.6824

Rectangle

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



31.9116, 50.1818, 46.5322



35.1704, 50.1818, 95.9837



67.9795, 50.1818, 63.6376



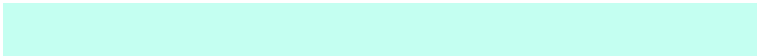
62.8907, 50.1818, 27.2886

Sweetspot

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



31.9130, 50.1838, 46.5334



74.4213, 89.6248, 96.2186



28.0183, 48.9611, 10.8804



15.3586, 18.8976, 20.1917



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.



31.9130, 50.1838, 46.5334



46.1427, 75.7074, 65.0463



27.4948, 34.2955, 66.8008



12.0284, 13.3551, 14.5060



17.8720, 29.6417, 24.7699



1.0298, 1.6696, 1.5454

Inverse Universe

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



29.7672, 16.7681, 11.1211



42.8843, 22.3294, 9.3197



31.0342, 21.3007, 5.3824



11.9268, 11.8554, 12.8901



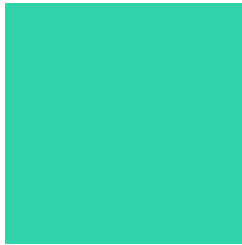
16.6225, 8.5218, 2.9181



0.9617, 0.4894, 0.3331

Previews

White Background



This preview shows how the XYZ color 31.9116, 50.1818, 46.5322 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 31.9116, 50.1818, 46.5322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

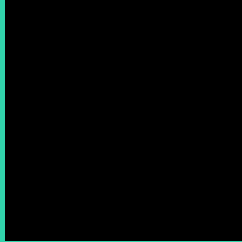
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

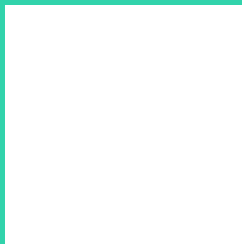
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9116, 50.1818, 46.5322

Background



This preview shows how black text looks on a background with the XYZ color 31.9116, 50.1818, 46.5322.

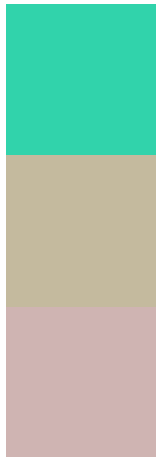


This preview shows how white text looks on a background with the XYZ color 31.9116, 50.1818,

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

31.9116, 50.1818, 46.5322

Protanopia

46.4954, 49.3222, 39.4173

Deuteranopia

50.0893, 49.1223, 48.9610



Tritanopia

37.7046, 49.9840, 76.0672

Trichromacy



Original Color

31.9116, 50.1818, 46.5322



Protanomaly

37.4537, 47.5142, 41.8475



Deuteranomaly

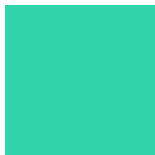
38.9463, 46.8408, 47.5459



Tritanomaly

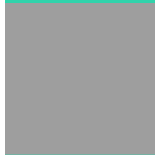
35.4071, 50.1307, 64.3100

Monochromacy



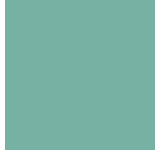
Original Color

31.9116, 50.1818, 46.5322



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.8042, 37.9402, 40.4027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9116, 50.1818, 46.5322 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(49, 211, 171)` looks like.

```
.text, #text, p{  
    color:rgb(49, 211, 171)  
}
```

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(49, 211, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 211, 171) }
```

Border

The CSS property to change the border of an element to XYZ 31.9116, 50.1818, 46.5322 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(49, 211, 171) }
```


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

```
.border{ border-color:rgb(49, 211, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 211, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 211, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 211, 171);  
box-shadow:4px 4px 4px 4px rgb(49, 211,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9116, 50.1818, 46.5322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 211, 171) }
```

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

```
.background{ background-color: rgb(49, 211,  
171) }
```

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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