

Converting Colors

XYZ(31.4482, 49.9318, 45.3796)

Have a look what the booklet for
XYZ(31.4482, 49.9318, 45.3796)
contains.

XYZ(31.4944, 49.9886, 45.5250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.4944, 49.9886,
45.5250)**

Conversions

Conversions Part 1

Format	Color
Hex	2CD3A9
RGB	44, 211, 169
RGB Percent	17%, 83%, 66%
CMY	0.8274, 0.1725, 0.3372
CMYK	0.79, 0.00, 0.20, 0.17
HSL	165°, 65%, 50%
HSV	165°, 79%, 83%
XYZ	31.4944, 49.9886, 45.5250
YIQ	156.2790, -86.0500, -48.4660

Conversions

Conversions Part 2

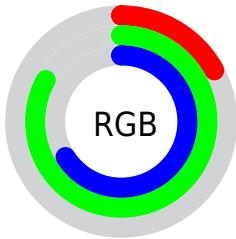
Format	Color
RYB	44, 140, 211
Decimal	2937769
CIELab	76.06, -50.83, 9.18
CIELCh	76, 51.648, 169.767
Yxy	49.9886, 0.2480, 0.3936
Android (android.graphics.Color)	4281127849 (0xFF2CD3A9)
YUV	156.2790, 6.2715, -98.4687
Hunter-Lab	70.7026, -44.2170, 11.3153

Details

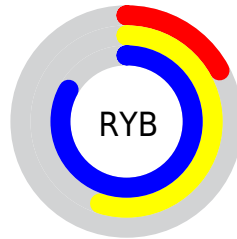
The XYZ color **31.4944, 49.9886, 45.5250** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **29.4460, 16.3234, 10.4049**, and the grayscale version is **31.7266, 33.3789, 36.3496**.

A 20% lighter version of the original color is **56.6858, 80.7534, 83.1203**, and **14.9322, 24.7270, 20.8154** is the 20% darker color. If you saturate the color by 10%, you get **30.3197, 49.4407, 42.9226**, and if you desaturate by 10%, it is **33.1524, 50.7858, 48.2578**.

Distribution



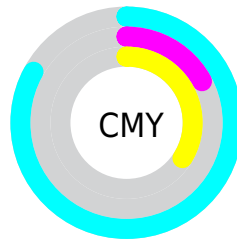
- Red (17%)
- Green (83%)
- Blue (66%)



- Red (17%)
- Yellow (55%)
- Blue (83%)



- Cyan (79%)
- Magenta (0%)
- Yellow (20%)
- Black (17%)





- Cyan (83%)
- Magenta (17%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4944, 49.9886, 45.5250 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 31.4944, 49.9886, 45.5250 by changing the saturation by 10% instead.


 31.4944, 49.9886,
45.5250


 31.4944, 49.9886,
45.5250


300.5960,
386.6214, 385.1176


 21.1293, 35.4043,
31.5252


 61.3882, 90.1580,
84.8345


 13.3315, 23.9745,
20.7373


 81.6476, 116.5119,
110.9812

 7.7358, 15.3147,
12.7427


 105.9357,
147.5578, 142.0140

 3.9767, 9.0406,
7.1230

 134.6180,
183.6801, 178.3513

 1.6890, 4.7676,
3.4595

 168.0599,
225.2633, 220.4119

 0.4494, 2.1116,
1.3338

206.6266,

 0.0000, 0.6711,

272.6916, 268.6141

0.0892

250.6835,
326.3495, 323.3765

■ 0.0000, 0.0000,
0.0000

■ 31.4944, 49.9886,
45.5250

■ 31.4944, 49.9886,
45.5250

■ 30.3197, 49.4407,
42.9226

■ 33.1524, 50.7858,
48.2578

■ 29.5228, 49.0839,
40.4412


■ 35.3513, 51.8583,
51.1216


■ 29.4609, 49.0566,
40.2338


■ 38.1446, 53.2348,
54.1212


■ 41.5783, 54.9390,
57.2600

■ 45.6939, 56.9923,
60.5409

 50.5291, 59.4142,
63.9671

 56.1190, 62.2225,
67.5411

 62.4962, 65.4343,
71.2657

 69.6915, 69.0652,
75.1433

Harmonies

Analogous

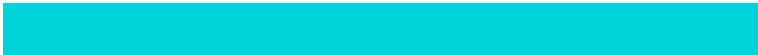
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.7104, 49.9886, 26.8186



31.4944, 49.9886, 45.5250



32.1050, 49.9886, 74.4474

Triad

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



31.4944, 49.9886, 45.5250



54.0670, 49.9886, 121.3036



60.5310, 49.9886, 23.1090

Complementary

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



31.4944, 49.9886, 45.5250



29.4460, 16.3234, 10.4049

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.



67.1973, 49.9886, 38.3654



31.4944, 49.9886, 45.5250



63.1295, 49.9886, 96.4646

Square

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



31.4944, 49.9886, 45.5250



44.2924, 49.9886, 125.2449



68.2077, 49.9886, 64.4245



50.8854, 49.9886, 17.0984

Rectangle

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



31.4944, 49.9886, 45.5250



34.6316, 49.9886, 95.9798



68.2077, 49.9886, 64.4245



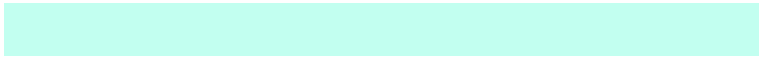
63.2470, 49.9886, 27.0260

Sweetspot

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



31.4958, 49.9905, 45.5262



73.6267, 89.2308, 95.4753



27.8257, 48.8733, 10.3506



15.2037, 18.8211, 20.0335



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.



31.4958, 49.9905, 45.5262



45.6679, 75.5019, 63.2471



27.5571, 34.7584, 66.8869



12.0260, 13.3542, 14.4935



17.8221, 29.6218, 24.5069



1.0273, 1.6686, 1.5326

Inverse Universe

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



29.4460, 16.3234, 10.4049



42.6060, 22.0316, 8.4290



30.4110, 20.2138, 4.6825



11.9290, 11.8563, 12.9018



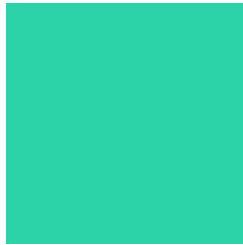
16.6362, 8.5273, 2.9907



0.9627, 0.4898, 0.3385

Previews

White Background



This preview shows how the XYZ color 31.4944, 49.9886, 45.5250 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 31.4944, 49.9886, 45.5250 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

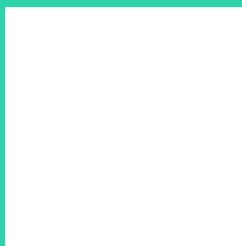
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4944, 49.9886, 45.5250

Background



This preview shows how black text looks on a background with the XYZ color 31.4944, 49.9886, 45.5250.



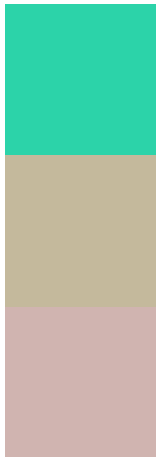
This preview shows how white text looks on a background with the XYZ color 31.4944, 49.9886,

45.5250.

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

31.4944, 49.9886, 45.5250

Protanopia

46.1147, 48.8340, 38.4479

Deuteranopia

50.1702, 49.1870, 47.9241



Tritanopia

37.5457, 49.9020, 76.0598

Trichromacy



Original Color

31.4944, 49.9886, 45.5250



Protanomaly

36.7093, 46.8195, 40.8205



Deuteranomaly

38.3864, 46.5746, 46.5018



Tritanomaly

35.0878, 49.9799, 63.6749

Monochromacy



Original Color

31.4944, 49.9886, 45.5250



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.0286, 37.2687, 39.3818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4944, 49.9886, 45.5250 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(44, 211, 169)` looks like.

```
.text, #text, p{  
    color:rgb(44, 211, 169)  
}
```

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(44, 211, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 211, 169) }
```

Border

The CSS property to change the border of an element to XYZ 31.4944, 49.9886, 45.5250 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(44, 211, 169) }
```


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

```
.border{ border-color:rgb(44, 211, 169) }
```

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

Here you see how a box with a 4 pixel rgb(44, 211, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 211, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 211, 169);  
box-shadow:4px 4px 4px 4px rgb(44, 211,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4944, 49.9886, 45.5250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 211, 169) }
```

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

```
.background{ background-color: rgb(44, 211,  
169) }
```

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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