

Converting Colors

XYZ(31.1704, 46.7940, 49.0437)

Have a look what the booklet for
XYZ(31.1704, 46.7940, 49.0437)
contains.

XYZ(31.2162, 46.8783, 48.9981)	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(31.2162, 46.8783,
48.9981)**

Conversions

Conversions Part 1

Format	Color
Hex	3DCBB1
RGB	61, 203, 177
RGB Percent	24%, 80%, 69%
CMY	0.7608, 0.2039, 0.3059
CMYK	0.70, 0.00, 0.13, 0.20
HSL	169°, 58%, 52%
HSV	169°, 70%, 80%
XYZ	31.2162, 46.8783, 48.9981
YIQ	157.5780, -76.2860, -38.1900

Conversions

Conversions Part 2

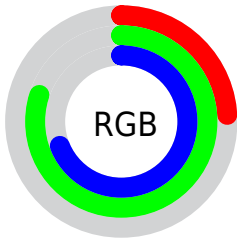
Format	Color
RYB	61, 139, 203
Decimal	4049841
CIELab	74.11, -43.44, 2.10
CIELCh	74, 43.492, 177.229
Yxy	46.8783, 0.2456, 0.3689
Android (android.graphics.Color)	4282239921 (0xFF3DCBB1)
YUV	157.5780, 9.5750, -84.6989
Hunter-Lab	68.4677, -38.4358, 5.4972

Details

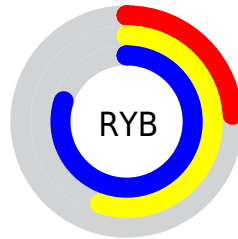
The XYZ color **31.2162, 46.8783, 48.9981** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **28.0192, 16.7234, 10.7697**, and the grayscale version is **32.2926, 33.9743, 36.9980**.

A 20% lighter version of the original color is **59.2204, 81.9152, 89.7808**, and **14.2916, 22.6605, 23.0227** is the 20% darker color. If you saturate the color by 10%, you get **29.8298, 46.2070, 47.0262**, and if you desaturate by 10%, it is **33.0880, 47.8010, 51.0475**.

Distribution



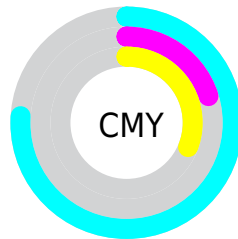
- Red (24%)
- Green (80%)
- Blue (69%)



- Red (24%)
- Yellow (55%)
- Blue (80%)



- Cyan (70%)
- Magenta (0%)
- Yellow (13%)
- Black (20%)



- Cyan (76%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2162, 46.8783, 48.9981 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 31.2162, 46.8783, 48.9981 by changing the saturation by 10% instead.

■ 31.2162, 46.8783,
48.9981

■ 31.2162, 46.8783,
48.9981

299.3422,
374.3285, 399.3571

■ 20.9162, 32.9395,
34.2524

■ 60.9538, 85.5319,
90.0696

■ 13.1748, 22.0801,
22.8086

■ 81.1221, 111.0155,
117.2324

■ 7.6269, 13.9157,
14.2483

■ 105.3106,
141.1161, 149.3714

■ 3.9069, 8.0621,
8.1528

■ 133.8845,
176.2182, 186.9051

■ 1.6496, 4.1347,
4.1037

■ 167.2093,
216.7060, 230.2519

■ 0.4244, 1.7492,
1.6824

205.6503,

■ 0.0000, 0.4552,

262.9641, 279.8305

0.3486

249.5728,
315.3768, 336.0594

■ 0.0000, 0.0000,
0.0000

■ 31.2162, 46.8783,
48.9981

■ 31.2162, 46.8783,
48.9981

■ 29.8298, 46.2070,
47.0262

■ 33.0880, 47.8010,
51.0475

■ 28.8683, 45.7524,
45.1253

■ 35.4893, 48.9943,
53.1738

■ 28.2272, 45.4618,
43.2914

■ 38.4633, 50.4817,
55.3804

■ 28.2241, 45.4604,
43.2820

■ 42.0478, 52.2826,
57.6695

■ 46.2774, 54.4149,
60.0431

■ 51.1839, 56.8949,
62.5030

■ 56.7971, 59.7381,
65.0511

■ 63.1450, 62.9587,
67.6890

■ 70.2540, 66.5705,
70.4184

Harmonies

Analogous

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



33.1189, 46.8783, 31.1782



31.2162, 46.8783, 48.9981



32.5287, 46.8783, 73.2749

Triad

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



31.2162, 46.8783, 48.9981



51.7616, 46.8783, 99.4325



53.1590, 46.8783, 22.8176

Complementary

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



31.2162, 46.8783, 48.9981



28.0192, 16.7234, 10.7697

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.



59.2343, 46.8783, 33.8343



31.2162, 46.8783, 48.9981



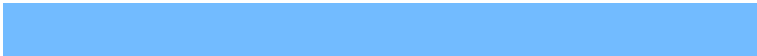
58.3637, 46.8783, 77.9382

Square

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



31.2162, 46.8783, 48.9981



43.8367, 46.8783, 106.9452



61.2407, 46.8783, 53.1430



45.2839, 46.8783, 19.0828

Rectangle

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



31.2162, 46.8783, 48.9981



35.1457, 46.8783, 89.4180



61.2407, 46.8783, 53.1430



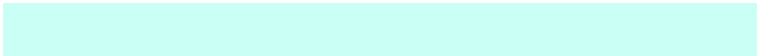
55.5128, 46.8783, 25.5992

Sweetspot

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



31.2175, 46.8801, 48.9992



76.4797, 90.6044, 99.9992



26.1333, 45.0785, 11.7394



15.9306, 19.1715, 21.1640



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.



31.2175, 46.8801, 48.9992



49.0323, 76.9336, 77.0800



24.9380, 29.7708, 60.9339



11.4517, 12.6904, 13.9361



17.9921, 28.9422, 27.7072



0.9517, 1.5025, 1.5532

Inverse Universe

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



28.0192, 16.7234, 10.7697



43.4749, 23.4116, 9.8214



30.6231, 23.3363, 7.3061



11.2948, 11.2467, 12.0872



15.9124, 8.1755, 1.9913



0.8470, 0.4322, 0.2399

Previews

White Background



This preview shows how the XYZ color 31.2162, 46.8783, 48.9981 looks on a white background.

Color Contrast Check

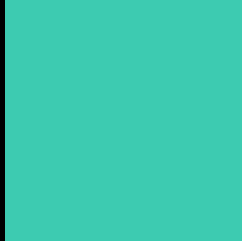
Large Text (above 18pt) WCAG AA × Fail

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 31.2162, 46.8783, 48.9981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

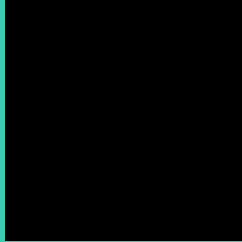
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

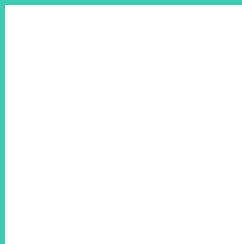
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2162, 46.8783, 48.9981

Background



This preview shows how black text looks on a background with the XYZ color 31.2162, 46.8783, 48.9981.

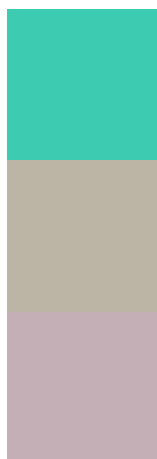


This preview shows how white text looks on a background with the XYZ color 31.2162, 46.8783,

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

31.2162, 46.8783, 48.9981

Protanopia

43.8518, 46.0505, 42.1747

Deuteranopia

46.9032, 45.9492, 51.1968



Tritanopia

35.5561, 46.9055, 70.7980

Trichromacy



Original Color

31.2162, 46.8783, 48.9981



Protanomaly

36.3000, 44.5818, 44.2281



Deuteranomaly

37.9022, 44.3300, 50.2750



Tritanomaly

33.8694, 46.9033, 62.5265

Monochromacy



Original Color

31.2162, 46.8783, 48.9981



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

30.0960, 37.1997, 41.1913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2162, 46.8783, 48.9981 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(61, 203, 177)` looks like.

```
.text, #text, p{  
    color:rgb(61, 203, 177)  
}
```

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(61, 203, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 203, 177) }
```

Border

The CSS property to change the border of an element to XYZ 31.2162, 46.8783, 48.9981 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(61, 203, 177) }
```


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

```
.border{ border-color:rgb(61, 203, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 203, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 203, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 203, 177);  
box-shadow:4px 4px 4px 4px rgb(61, 203,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2162, 46.8783, 48.9981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 203, 177) }
```

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

```
.background{ background-color: rgb(61, 203,  
177) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor