

Converting Colors

XYZ(31.7553, 48.0053, 53.0917)

Have a look what the booklet for
XYZ(31.7553, 48.0053, 53.0917)
contains.

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Color

**XYZ(31.8052, 48.1612,
52.9671)**

Conversions

Conversions Part 1

Format	Color
Hex	2DCEB8
RGB	45, 206, 184
RGB Percent	18%, 81%, 72%
CMY	0.8235, 0.1921, 0.2784
CMYK	0.78, 0.00, 0.11, 0.19
HSL	172°, 64%, 49%
HSV	172°, 78%, 81%
XYZ	31.8052, 48.1612, 52.9671
YIQ	155.3530, -88.8940, -40.9740

Conversions

Conversions Part 2

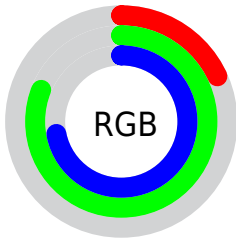
Format	Color
RYB	45, 131, 206
Decimal	3002040
CIELab	74.93, -44.80, -0.52
CIELCh	75, 44.799, 180.670
Yxy	48.1612, 0.2393, 0.3623
Android (android.graphics.Color)	4281192120 (0xFF2DCEB8)
YUV	155.3530, 14.1230, -96.7796
Hunter-Lab	69.3983, -39.6405, 3.3267

Details

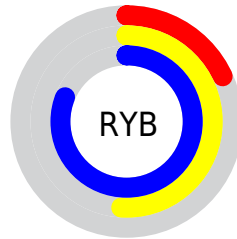
The XYZ color **31.8052, 48.1612, 52.9671** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **27.4067, 15.4052, 6.8410**, and the grayscale version is **31.2815, 32.9106, 35.8396**.

A 20% lighter version of the original color is **58.9594, 81.6628, 95.0931**, and **15.1633, 23.7719, 25.2620** is the 20% darker color. If you saturate the color by 10%, you get **30.8182, 47.6873, 51.3966**, and if you desaturate by 10%, it is **33.2427, 48.8689, 54.5915**.

Distribution



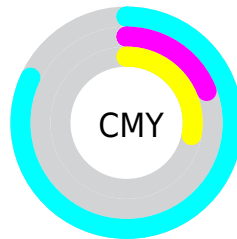
- Red (18%)
- Green (81%)
- Blue (72%)



- Red (18%)
- Yellow (51%)
- Blue (81%)



- Cyan (78%)
- Magenta (0%)
- Yellow (11%)
- Black (19%)





- Cyan (82%)
- Magenta (19%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8052, 48.1612, 52.9671 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 31.8052, 48.1612, 52.9671 by changing the saturation by 10% instead.

 31.8052, 48.1612,
52.9671


 31.8052, 48.1612,
52.9671


301.9920,
379.4307, 415.2216


 21.3676, 33.9546,
37.3890

 61.8728, 87.4444,
95.9970


 13.5069, 22.8587,
25.2106


 82.2336, 113.2897,
124.2859

 7.8579, 14.4892,
16.0136

 106.6327,
143.7834, 157.6487

 4.0552, 8.4617,
9.3793

 135.4356,
179.3098, 196.5041

 1.7334, 4.3918,
4.8892

 169.0076,
220.2533, 241.2705

 0.4771, 1.8950,
2.1248

207.7141,

 0.0000, 0.5454,

266.9984, 292.3665

0.6305

251.9205,
319.9294, 350.2107

■ 0.0000, 0.0000,
0.0000

■ 31.8052, 48.1612,
52.9671

■ 31.8052, 48.1612,
52.9671

■ 30.8182, 47.6873,
51.3966

■ 33.2427, 48.8689,
54.5915

■ 30.1930, 47.3980,
49.8724

■ 35.1833, 49.8342,
56.2692

■ 30.0930, 47.3525,
49.5947

■ 37.6768, 51.0839,
58.0039

■ 40.7659, 52.6398,
59.7975

■ 44.4889, 54.5219,
61.6522

■ 48.8811, 56.7483,
63.5697

■ 53.9751, 59.3358,
65.5518

■ 59.8013, 62.3000,
67.5999

■ 66.3884, 65.6558,
69.7157

Harmonies

Analogous

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



33.4091, 48.1612, 33.3570



31.8052, 48.1612, 52.9671



33.5581, 48.1612, 78.8765

Triad

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



31.8052, 48.1612, 52.9671



54.2589, 48.1612, 101.3896



53.9034, 48.1612, 22.1995

Complementary

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



31.8052, 48.1612, 52.9671



27.4067, 15.4052, 6.8410

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.



60.6483, 48.1612, 32.6877



31.8052, 48.1612, 52.9671



60.8701, 48.1612, 77.6866

Square

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



31.8052, 48.1612, 52.9671



45.9597, 48.1612, 111.4609



63.3345, 48.1612, 51.9151



45.5924, 48.1612, 19.1080

Rectangle

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



31.8052, 48.1612, 52.9671



36.5304, 48.1612, 95.4664



63.3345, 48.1612, 51.9151



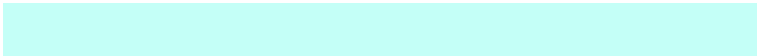
56.4626, 48.1612, 24.7855

Sweetspot

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



31.8066, 48.1630, 52.9682



75.4023, 90.0172, 101.3843



25.0114, 45.6047, 9.9679



15.5993, 18.9938, 21.4588



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.



31.8066, 48.1630, 52.9682



49.1792, 76.9110, 81.5308



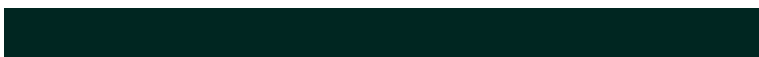
23.0750, 26.7174, 62.3354



11.4748, 12.6996, 14.0575



18.5562, 29.1678, 30.6776



0.9760, 1.5122, 1.6810

Inverse Universe

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



27.4067, 15.4052, 6.8410



41.9498, 21.8241, 4.8040



30.6168, 22.6887, 5.2493



11.2737, 11.2382, 11.9760



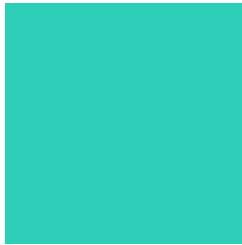
15.8247, 8.1405, 1.5296



0.8372, 0.4283, 0.1887

Previews

White Background



This preview shows how the XYZ color 31.8052, 48.1612, 52.9671 looks on a white background.

Color Contrast Check

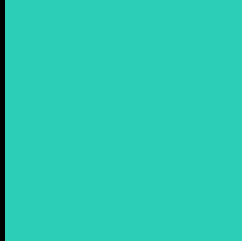
Large Text (above 18pt) WCAG AA × Fail

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 31.8052, 48.1612, 52.9671 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

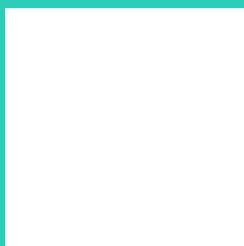
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8052, 48.1612, 52.9671

Background



This preview shows how black text looks on a background with the XYZ color 31.8052, 48.1612, 52.9671.

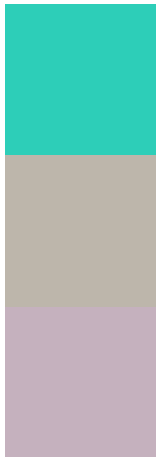


This preview shows how white text looks on a background with the XYZ color 31.8052, 48.1612,

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

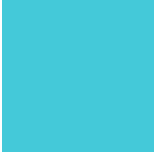
31.8052, 48.1612, 52.9671

Protanopia

45.0649, 47.2150, 45.2663

Deuteranopia

48.0424, 47.0323, 55.2612



Tritanopia

35.7949, 48.0120, 73.0263

Trichromacy



Original Color

31.8052, 48.1612, 52.9671



Protanomaly

36.7838, 45.7146, 47.9594



Deuteranomaly

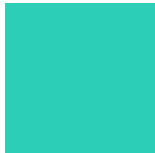
38.2156, 45.3481, 54.3158



Tritanomaly

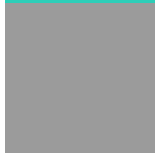
34.2389, 48.0803, 65.2335

Monochromacy



Original Color

31.8052, 48.1612, 52.9671



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.0892, 36.6701, 41.6213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8052, 48.1612, 52.9671 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(45, 206, 184)` looks like.

```
.text, #text, p{  
    color:rgb(45, 206, 184)  
}
```

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(45, 206, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 206, 184) }
```

Border

The CSS property to change the border of an element to XYZ 31.8052, 48.1612, 52.9671 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(45, 206, 184) }
```


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

```
.border{ border-color:rgb(45, 206, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 206, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 206, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 206, 184);  
box-shadow:4px 4px 4px 4px rgb(45, 206,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8052, 48.1612, 52.9671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 206, 184) }
```

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

```
.background{ background-color: rgb(45, 206,  
184) }
```

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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