

Converting Colors

XYZ(31.3552, 51.0997, 45.6913)

Have a look what the booklet for
XYZ(31.3552, 51.0997, 45.6913)
contains.

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Color

**XYZ(31.3207, 51.0158,
45.7324)**

Conversions

Conversions Part 1

Format	Color
Hex	09D6A9
RGB	9, 214, 169
RGB Percent	4%, 84%, 66%
CMY	0.9646, 0.1608, 0.3372
CMYK	0.96, 0.00, 0.21, 0.16
HSL	167°, 92%, 44%
HSV	167°, 96%, 84%
XYZ	31.3207, 51.0158, 45.7324
YIQ	147.5750, -107.7350, -57.4550

Conversions

Conversions Part 2

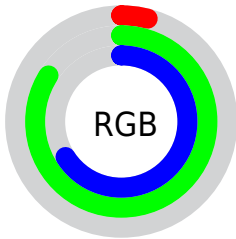
Format	Color
RYB	9, 124, 214
Decimal	644777
CIELab	76.69, -54.16, 10.03
CIELCh	77, 55.084, 169.510
Yxy	51.0158, 0.2446, 0.3983
Android (android.graphics.Color)	4278834857 (0xFF09D6A9)
YUV	147.5750, 10.5625, -121.5303
Hunter-Lab	71.4253, -46.7204, 12.0354

Details

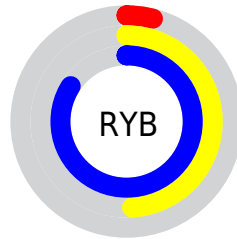
The XYZ color **31.3207, 51.0158, 45.7324** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.4973, 14.7594, 4.8413**, and the grayscale version is **27.9658, 29.4222, 32.0408**.

A 20% lighter version of the original color is **55.2780, 80.0276, 83.0544**, and **15.4377, 25.7381, 20.9839** is the 20% darker color. If you saturate the color by 10%, you get **31.0242, 50.8855, 44.7549**, and if you desaturate by 10%, it is **32.2064, 51.4218, 48.1193**.

Distribution



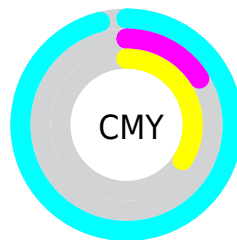
- Red (4%)
- Green (84%)
- Blue (66%)



- Red (4%)
- Yellow (49%)
- Blue (84%)



- Cyan (96%)
- Magenta (0%)
- Yellow (21%)
- Black (16%)



- Cyan (96%)
- Magenta (16%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3207, 51.0158, 45.7324 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 31.3207, 51.0158, 45.7324 by changing the saturation by 10% instead.

31.3207, 51.0158,
45.7324

31.3207, 51.0158,
45.7324

299.8136,
390.6252, 385.9780

20.9962, 36.2212,
31.6876

61.1170, 91.6781,
85.1484

13.2337, 24.6051,
20.8601

81.3196, 118.3146,
111.3567

7.6678, 15.7831,
12.8316

105.5455,
149.6672, 142.4565

3.9331, 9.3708,
7.1833

134.1602,
186.1203, 178.8665

1.6644, 4.9838,
3.4968

167.5290,
228.0582, 221.0051

0.4338, 2.2378,
1.3536

206.0173,

0.0000, 0.7405,

275.8654, 269.2908

0.1051

249.9904,
329.9263, 324.1423

■ 0.0000, 0.0000,
0.0000

■ 31.3207, 51.0158,
45.7324

■ 31.3207, 51.0158,
45.7324

■ 31.0242, 50.8855,
44.7549

■ 32.2064, 51.4218,
48.1193

■ 33.5311, 52.0509,
50.6093

■ 35.3703, 52.9435,
53.2078

■ 37.7840, 54.1303,
55.9184

■ 40.8239, 55.6380,
58.7444

■ 44.5357, 57.4902,
61.6887

■ 48.9608, 59.7081,
64.7540

■ 54.1373, 62.3115,
67.9429

■ 60.1004, 65.3184,
71.2577

Harmonies

Analogous

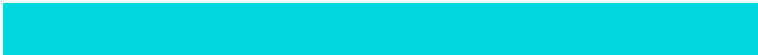
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.7793, 51.0158, 25.9757



31.3207, 51.0158, 45.7324



31.9347, 51.0158, 77.0238

Triad

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



31.3207, 51.0158, 45.7324



55.5004, 51.0158, 129.1847



62.7125, 51.0158, 22.3143

Complementary

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



31.3207, 51.0158, 45.7324



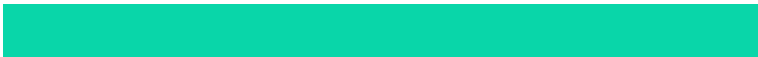
28.4973, 14.7594, 4.8413

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.



69.9570, 51.0158, 38.4879



31.3207, 51.0158, 45.7324



65.3975, 51.0158, 101.8141

Square

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



31.3207, 51.0158, 45.7324



44.9284, 51.0158, 133.3323



71.0045, 51.0158, 66.6752



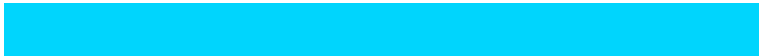
52.2329, 51.0158, 16.0477

Rectangle

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



31.3207, 51.0158, 45.7324



34.6029, 51.0158, 100.6911



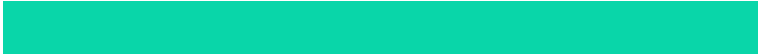
71.0045, 51.0158, 66.6752



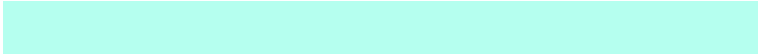
65.6670, 51.0158, 26.4317

Sweetspot

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



31.3221, 51.0178, 45.7336



70.3729, 87.5679, 94.6720



25.7763, 48.9804, 8.3550



14.4627, 18.4425, 19.8445



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.



31.3221, 51.0178, 45.7336



46.0705, 75.6442, 66.2141



24.7086, 29.8285, 68.0758



12.6700, 14.0590, 15.3428



18.7917, 30.7720, 27.2627



1.1630, 1.8678, 1.8000

Inverse Universe

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



28.4973, 14.7594, 4.8413



41.9535, 21.5454, 5.6870



29.5981, 17.9486, 2.1639



12.5338, 12.4650, 13.4851



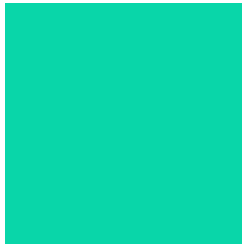
17.1039, 8.7779, 2.5854



1.0631, 0.5420, 0.3219

Previews

White Background



This preview shows how the XYZ color 31.3207, 51.0158, 45.7324 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 31.3207, 51.0158, 45.7324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

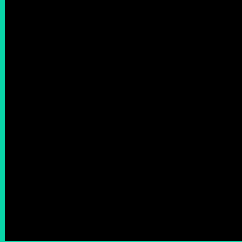
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

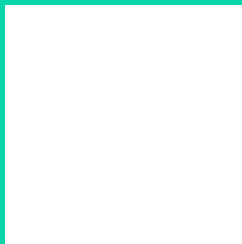
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.3207, 51.0158, 45.7324

Background



This preview shows how black text looks on a background with the XYZ color 31.3207, 51.0158, 45.7324.

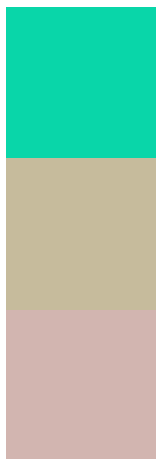


This preview shows how white text looks on a background with the XYZ color 31.3207, 51.0158,

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

31.3207, 51.0158, 45.7324

Protanopia

47.0598, 49.9467, 38.6129

Deuteranopia

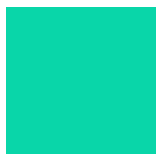
50.9387, 49.8840, 48.0181



Tritanopia

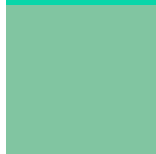
37.8789, 51.1116, 77.6811

Trichromacy



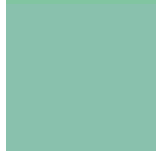
Original Color

31.3207, 51.0158, 45.7324



Protanomaly

35.4525, 47.1728, 40.9549



Deuteranomaly

36.9293, 46.4754, 46.5594



Tritanomaly

34.9083, 50.9629, 64.4969

Monochromacy



Original Color

31.3207, 51.0158, 45.7324



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.6830, 34.4467, 36.7477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3207, 51.0158, 45.7324 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(9, 214, 169)` looks like.

```
.text, #text, p{  
    color:rgb(9, 214, 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(9, 214, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 214, 169) }
```

Border

The CSS property to change the border of an element to XYZ 31.3207, 51.0158, 45.7324 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(9, 214, 169) }
```


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

```
.border{ border-color:rgb(9, 214, 169) }
```

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

Here you see how a box with a 4 pixel rgb(9, 214, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 214, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 214, 169);  
box-shadow:4px 4px 4px 4px rgb(9, 214,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3207, 51.0158, 45.7324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 214, 169) }
```

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

```
.background{ background-color: rgb(9, 214,  
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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