

Converting Colors

XYZ(30.7922, 48.9395, 55.5201)

Have a look what the booklet for
XYZ(30.7922, 48.9395, 55.5201)
contains.

XYZ(32.1237, 49.7240, 55.4816)	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(32.1237, 49.7240,
55.4816)**

Conversions

Conversions Part 1

Format	Color
Hex	00D2BC
RGB	0, 210, 188
RGB Percent	0%, 82%, 74%
CMY	0.9998, 0.1765, 0.2627
CMYK	1.00, 0.00, 0.10, 0.18
HSL	174°, 100%, 41%
HSV	174°, 100%, 82%
XYZ	32.1237, 49.7240, 55.4816
YIQ	144.7020, -118.0980, -51.3620

Conversions

Conversions Part 2

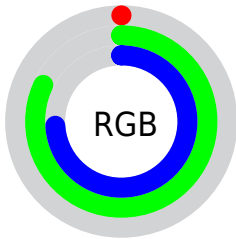
Format	Color
RYB	0, 111, 210
Decimal	53948
CIELab	75.90, -47.84, -1.30
CIELCh	76, 47.853, 181.553
Yxy	49.7240, 0.2339, 0.3621
Android (android.graphics.Color)	4278244028 (0xFF00D2BC)
YUV	144.7020, 21.3459, -126.9037
Hunter-Lab	70.5152, -42.0848, 2.7111

Details

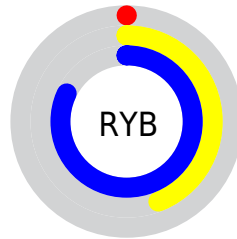
The XYZ color **32.1237, 49.7240, 55.4816** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **26.7249, 13.7610, 2.0087**, and the grayscale version is **26.7486, 28.1417, 30.6463**.

A 20% lighter version of the original color is **58.0330, 81.1158, 98.1862**, and **15.9288, 24.8605, 26.8807** is the 20% darker color. If you saturate the color by 10%, you get **32.1242, 49.7255, 55.4804**, and if you desaturate by 10%, it is **32.6739, 49.9811, 56.7564**.

Distribution



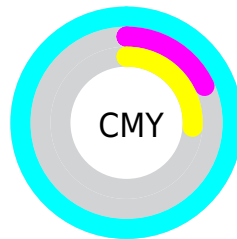
- Red (0%)
- Green (82%)
- Blue (74%)



- Red (0%)
- Yellow (44%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (18%)




- Cyan (100%)
- Magenta (18%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1237, 49.7240, 55.4816 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 32.1237, 49.7240, 55.4816 by changing the saturation by 10% instead.


 32.1237, 49.7240,
55.4816


 32.1237, 49.7240,
55.4816


303.4176,
385.5856, 425.0682


 21.6120, 35.1941,
39.3862


 62.3688, 89.7658,
99.7244


 13.6871, 23.8125,
26.7502


 82.8330, 116.0466,
128.7090

 7.9836, 15.1946,
17.1549


 107.3454,
147.0130, 162.8270

 4.1362, 8.9561,
10.1819

 136.2713,
183.0497, 202.4971

 1.7795, 4.7125,
5.4125

 169.9761,
224.5409, 248.1377

 0.5052, 2.0796,
2.4283

208.8252,

 0.0000, 0.6531,

271.8710, 300.1674

0.8018

253.1839,
325.4245, 359.0047

■ 0.0000, 0.0000,
0.0000

■ 32.1237, 49.7240,
55.4816

■ 32.1237, 49.7240,
55.4816

■ 32.1242, 49.7255,
55.4804

■ 32.6739, 49.9811,
56.7564

■ 33.5630, 50.4115,
58.0649

■ 34.9054, 51.0750,
59.4137

■ 36.7628, 52.0037,
60.8057

■ 39.1872, 53.2242,
62.2435

■ 42.2244, 54.7602,
63.7292

■ 45.9154, 56.6328,
65.2649

■ 50.2976, 58.8613,
66.8524

■ 55.4056, 61.4635,
68.4934

Harmonies

Analogous

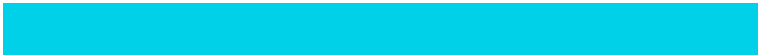
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.7441, 49.7240, 33.9749



32.1237, 49.7240, 55.4816



34.1163, 49.7240, 84.0810

Triad

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



32.1237, 49.7240, 55.4816



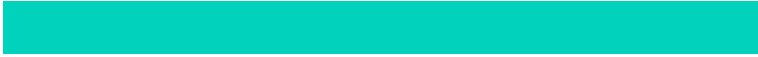
56.8028, 49.7240, 107.6234



55.8985, 49.7240, 21.4494

Complementary

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



32.1237, 49.7240, 55.4816



26.7249, 13.7610, 2.0087

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.



63.4111, 49.7240, 32.3146



32.1237, 49.7240, 55.4816



63.9776, 49.7240, 81.0300

Square

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



32.1237, 49.7240, 55.4816



47.7270, 49.7240, 119.4706



66.5339, 49.7240, 52.8221



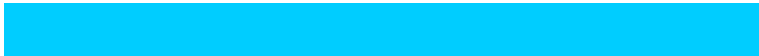
46.7984, 49.7240, 18.4194

Rectangle

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



32.1237, 49.7240, 55.4816



37.3910, 49.7240, 102.3630



66.5339, 49.7240, 52.8221



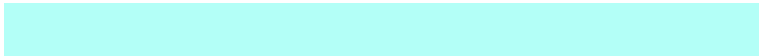
58.7313, 49.7240, 24.0934

Sweetspot

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



32.1251, 49.7259, 55.4828



71.0210, 87.7586, 101.1785



23.4371, 46.2956, 7.7018



14.6549, 18.5065, 21.4371



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.



32.1251, 49.7259, 55.4828



49.8024, 77.1370, 85.8663



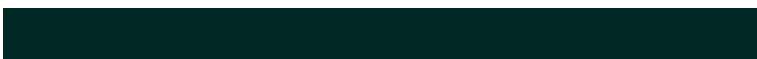
19.5523, 20.4907, 63.8994



12.1028, 13.3849, 14.8975



19.6168, 30.3396, 33.9577



1.1126, 1.7027, 1.9814

Inverse Universe

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



26.7249, 13.7610, 2.0087



41.4346, 21.3378, 2.9548



29.4867, 19.5168, 2.2141



11.8584, 11.8281, 12.5300



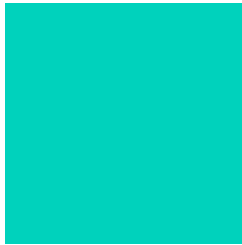
16.3186, 8.4003, 1.3181



0.9299, 0.4767, 0.1658

Previews

White Background



This preview shows how the XYZ color 32.1237, 49.7240, 55.4816 looks on a white background.

Color Contrast Check

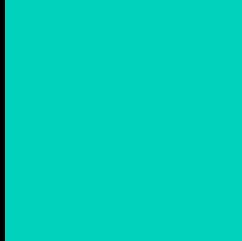
Large Text (above 18pt) WCAG AA × Fail

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 32.1237, 49.7240, 55.4816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

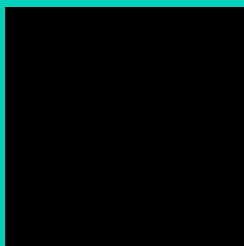
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

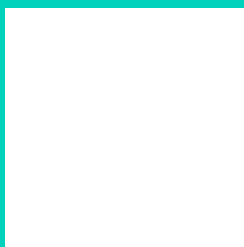
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1237, 49.7240, 55.4816

Background



This preview shows how black text looks on a background with the XYZ color 32.1237, 49.7240, 55.4816.

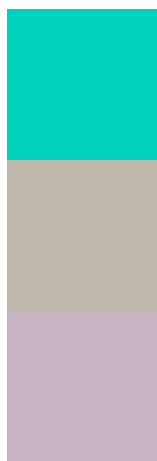


This preview shows how white text looks on a background with the XYZ color 32.1237, 49.7240,

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

32.1237, 49.7240, 55.4816

Protanopia

46.7272, 48.9604, 47.0319

Deuteranopia

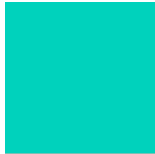
49.9910, 48.8620, 58.4263



Tritanopia

36.5375, 49.7208, 76.7786

Trichromacy



Original Color

32.1237, 49.7240, 55.4816



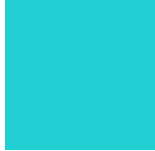
Protanomaly

35.4545, 45.9758, 49.6534



Deuteranomaly

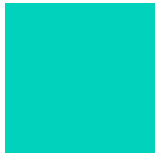
36.8976, 45.5794, 56.7222



Tritanomaly

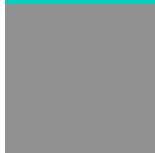
34.6054, 49.6189, 68.7263

Monochromacy



Original Color

32.1237, 49.7240, 55.4816



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.0346, 33.2245, 38.8117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1237, 49.7240, 55.4816 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(0, 210, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 188)  
}
```

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(0, 210, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 188) }
```

Border

The CSS property to change the border of an element to XYZ 32.1237, 49.7240, 55.4816 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(0, 210, 188) }
```


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

```
.border{ border-color:rgb(0, 210, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 210, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1237, 49.7240, 55.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 188) }
```

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

```
.background{ background-color: rgb(0, 210,  
188) }
```

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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