

Converting Colors

XYZ(20.2328, 45.6359, 49.5937)

Have a look what the booklet for
XYZ(20.2328, 45.6359, 49.5937)
contains.

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Color

**XYZ(32.2363, 51.7752,
49.8896)**

Conversions

Conversions Part 1

Format	Color
Hex	00D7B1
RGB	0, 215, 177
RGB Percent	0%, 84%, 69%
CMY	0.9998, 0.1568, 0.3059
CMYK	1.00, 0.00, 0.18, 0.16
HSL	169°, 100%, 42%
HSV	169°, 100%, 84%
XYZ	32.2363, 51.7752, 49.8896
YIQ	146.3830, -115.9420, -57.3980

Conversions

Conversions Part 2

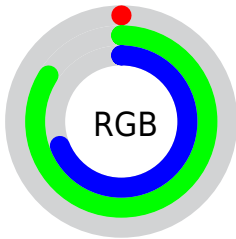
Format	Color
RYB	0, 118, 215
Decimal	55217
CIELab	77.15, -52.80, 6.41
CIELCh	77, 53.190, 173.078
Yxy	51.7752, 0.2407, 0.3867
Android (android.graphics.Color)	4278245297 (0xFF00D7B1)
YUV	146.3830, 15.0942, -128.3779
Hunter-Lab	71.9550, -45.9521, 9.2601

Details

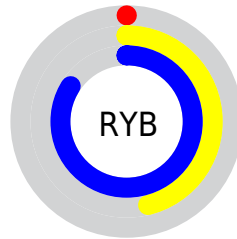
The XYZ color **32.2363, 51.7752, 49.8896** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **28.3762, 14.5886, 3.1574**, and the grayscale version is **27.4582, 28.8881, 31.4592**.

A 20% lighter version of the original color is **56.4118, 80.4674, 89.6493**, and **16.0362, 26.2515, 23.2906** is the 20% darker color. If you saturate the color by 10%, you get **32.2366, 51.7767, 49.8872**, and if you desaturate by 10%, it is **32.9423, 52.0960, 51.9293**.

Distribution



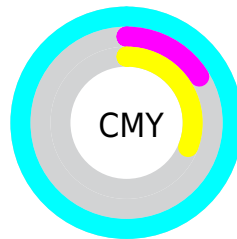
- Red (0%)
- Green (84%)
- Blue (69%)



- Red (0%)
- Yellow (46%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2363, 51.7752, 49.8896 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 32.2363, 51.7752, 49.8896 by changing the saturation by 10% instead.


 32.2363, 51.7752,
49.8896


 32.2363, 51.7752,
49.8896


303.9205,
393.5681, 402.9567


 21.6985, 36.8259,
34.9551


 62.5440, 92.7996,
91.4059


 13.7509, 25.0727,
23.3450


 83.0447, 119.6436,
118.8248


 8.0281, 16.1313,
14.6408


 107.5970,
151.2212, 151.2423

 4.1649, 9.6171,
8.4239

 136.5662,
187.9168, 189.0768

 1.7959, 5.1458,
4.2757

 170.3179,
230.1150, 232.7470

 0.5152, 2.3331,
1.7778

209.2172,

 0.0000, 0.7911,

278.2000, 282.6713

0.4132

253.6296,
332.5562, 339.2684

■ 0.0000, 0.0000,
0.0000

■ 32.2363, 51.7752,
49.8896

■ 32.2363, 51.7752,
49.8896

■ 32.2366, 51.7767,
49.8872

■ 32.9423, 52.0960,
51.9293

■ 34.0143, 52.6030,
54.0404

■ 35.5716, 53.3590,
56.2303

■ 37.6799, 54.3977,
58.5023

■ 40.3943, 55.7477,
60.8595

■ 43.7634, 57.4339,
63.3045

■ 47.8307, 59.4788,
65.8399

■ 52.6360, 61.9028,
68.4678

■ 58.2160, 64.7249,
71.1905

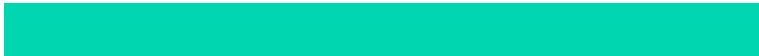
Harmonies

Analogous

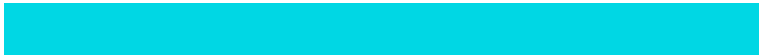
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.1722, 51.7752, 28.9760



32.2363, 51.7752, 49.8896



33.3213, 51.7752, 81.3052

Triad

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



32.2363, 51.7752, 49.8896



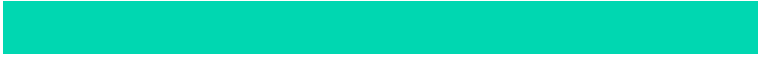
57.2825, 51.7752, 125.2025



61.9200, 51.7752, 22.4041

Complementary

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



32.2363, 51.7752, 49.8896



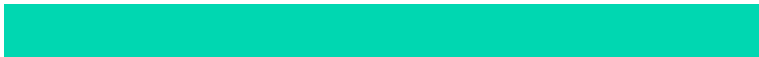
28.3762, 14.5886, 3.1574

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.



69.4863, 51.7752, 37.1448



32.2363, 51.7752, 49.8896



66.5616, 51.7752, 97.1627

Square

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



32.2363, 51.7752, 49.8896



46.8911, 51.7752, 132.2671



71.2923, 51.7752, 63.3981



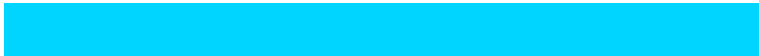
51.6057, 51.7752, 17.0473

Rectangle

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



32.2363, 51.7752, 49.8896



36.2625, 51.7752, 103.9388



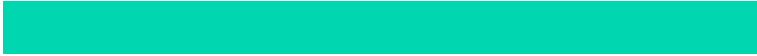
71.2923, 51.7752, 63.3981



64.9239, 51.7752, 26.1186

Sweetspot

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



32.2377, 51.7772, 49.8908



70.1835, 87.4236, 96.7680



25.1553, 49.0428, 8.1415



14.4521, 18.4254, 20.3692



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.



32.2377, 51.7772, 49.8908



47.3830, 76.1692, 73.1261



22.6896, 25.7527, 68.0671



12.6936, 14.0684, 15.4668



19.3161, 30.9818, 30.0239



1.1903, 1.8788, 1.9440

Inverse Universe

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



28.3762, 14.5886, 3.1574



41.7152, 21.4501, 4.4322



30.0993, 18.5953, 2.0039



12.5120, 12.4563, 13.3704



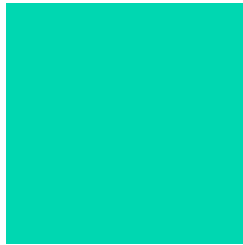
16.9989, 8.7359, 2.0322



1.0530, 0.5380, 0.2684

Previews

White Background



This preview shows how the XYZ color 32.2363, 51.7752, 49.8896 looks on a white background.

Color Contrast Check

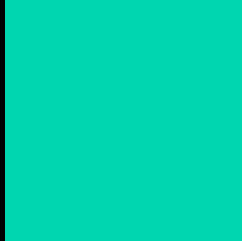
Large Text (above 18pt) WCAG AA × Fail

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 32.2363, 51.7752, 49.8896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

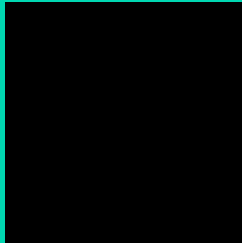
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

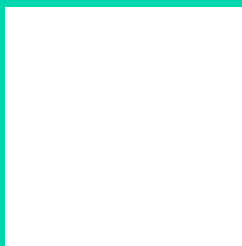
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2363, 51.7752, 49.8896

Background



This preview shows how black text looks on a background with the XYZ color 32.2363, 51.7752, 49.8896.



This preview shows how white text looks on a background with the XYZ color 32.2363, 51.7752,

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

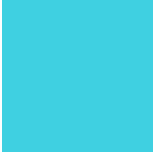
32.2363, 51.7752, 49.8896

Protanopia

47.8828, 50.6165, 41.8966

Deuteranopia

51.8797, 50.8830, 52.4344



Tritanopia

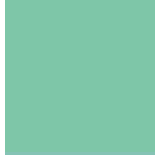
38.1964, 51.6048, 79.1817

Trichromacy



Original Color

32.2363, 51.7752, 49.8896



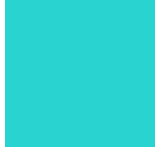
Protanomaly

35.8662, 47.6509, 44.3530



Deuteranomaly

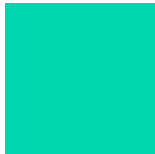
37.5285, 47.3530, 50.8781



Tritanomaly

35.5545, 51.5937, 67.7592

Monochromacy



Original Color

32.2363, 51.7752, 49.8896



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.1629, 33.8873, 37.1130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2363, 51.7752, 49.8896 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, 215, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 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(0, 215, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 177) }
```

Border

The CSS property to change the border of an element to XYZ 32.2363, 51.7752, 49.8896 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, 215, 177) }
```


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

```
.border{ border-color:rgb(0, 215, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 215, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2363, 51.7752, 49.8896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 177) }
```

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

```
.background{ background-color: rgb(0, 215,  
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](#).

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