

Converting Colors

XYZ(32.2807, 51.7470, 51.6734)

Have a look what the booklet for
XYZ(32.2807, 51.7470, 51.6734)
contains.

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Color

**XYZ(32.5387, 51.8962,
51.4820)**

Conversions

Conversions Part 1

Format	Color
Hex	00D7B4
RGB	0, 215, 180
RGB Percent	0%, 84%, 71%
CMY	0.9999, 0.1568, 0.2941
CMYK	1.00, 0.00, 0.16, 0.16
HSL	170°, 100%, 42%
HSV	170°, 100%, 84%
XYZ	32.5387, 51.8962, 51.4820
YIQ	146.7250, -116.9050, -56.4650

Conversions

Conversions Part 2

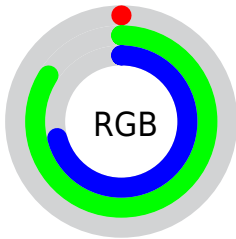
Format	Color
RYB	0, 117, 215
Decimal	55220
CIELab	77.22, -52.03, 4.91
CIELCh	77, 52.260, 174.607
Yxy	51.8962, 0.2394, 0.3818
Android (android.graphics.Color)	4278245300 (0xFF00D7B4)
YUV	146.7250, 16.4046, -128.6778
Hunter-Lab	72.0390, -45.4431, 8.0563

Details

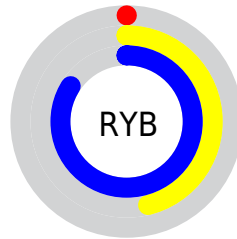
The XYZ color **32.5387, 51.8962, 51.4820** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **28.3297, 14.5700, 2.9123**, and the grayscale version is **27.5939, 29.0310, 31.6147**.

A 20% lighter version of the original color is **56.8442, 80.6403, 91.9260**, and **16.2289, 26.3286, 24.3052** is the 20% darker color. If you saturate the color by 10%, you get **32.5391, 51.8977, 51.4799**, and if you desaturate by 10%, it is **33.2217, 52.2078, 53.4006**.

Distribution



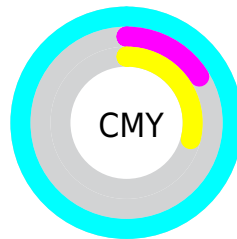
- Red (0%)
- Green (84%)
- Blue (71%)



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



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



- Cyan (100%)
- Magenta (16%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5387, 51.8962, 51.4820 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 32.5387, 51.8962, 51.4820 by changing the saturation by 10% instead.

■ 32.5387, 51.8962,
51.4820

■ 32.5387, 51.8962,
51.4820

305.2678,
394.0358, 409.3335

■ 21.9308, 36.9223,
36.2130

■ 63.0142, 92.9781,
93.7856

■ 13.9224, 25.1474,
24.3077

■ 83.6125, 119.8550,
121.6573

■ 8.1481, 16.1869,
15.3477

■ 108.2716,
151.4683, 154.5670

■ 4.2424, 9.6565,
8.9145

■ 137.3570,
188.2025, 192.9331

■ 1.8402, 5.1718,
4.5894

■ 171.2340,
230.4420, 237.1743

■ 0.5417, 2.3484,
1.9539

210.2679,

■ 0.0000, 0.7992,

278.5711, 287.7090

0.5267

254.8240,
332.9742, 344.9559

■ 0.0000, 0.0000,
0.0000

■ 32.5387, 51.8962,
51.4820

■ 32.5387, 51.8962,
51.4820

■ 32.5391, 51.8977,
51.4799

■ 33.2217, 52.2078,
53.4006

■ 34.2692, 52.7050,
55.3824

■ 35.8003, 53.4505,
57.4346

■ 37.8808, 54.4781,
59.5606

■ 40.5659, 55.8164,
61.7632

■ 43.9040, 57.4902,
64.0450

■ 47.9386, 59.5220,
66.4085

■ 52.7096, 61.9323,
68.8557

■ 58.2535, 64.7400,
71.3887

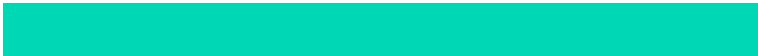
Harmonies

Analogous

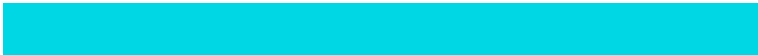
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.2410, 51.8962, 30.2162



32.5387, 51.8962, 51.4820



33.8149, 51.8962, 82.7050

Triad

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



32.5387, 51.8962, 51.4820



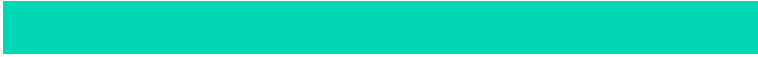
57.7815, 51.8962, 122.8957



61.3338, 51.8962, 22.4306

Complementary

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



32.5387, 51.8962, 51.4820



28.3297, 14.5700, 2.9123

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.



68.9751, 51.8962, 36.5221



32.5387, 51.8962, 51.4820



66.7376, 51.8962, 94.8206

Square

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



32.5387, 51.8962, 51.4820



47.5388, 51.8962, 131.0632



71.0751, 51.8962, 61.8470



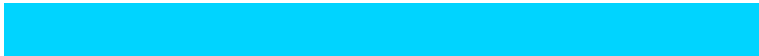
51.1570, 51.8962, 17.4776

Rectangle

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



32.5387, 51.8962, 51.4820



36.8531, 51.8962, 104.7243



71.0751, 51.8962, 61.8470



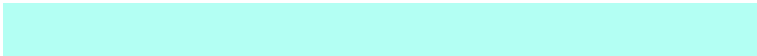
64.3360, 51.8962, 25.9645

Sweetspot

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



32.5402, 51.8982, 51.4832



70.3439, 87.4878, 97.6127



25.0244, 48.9753, 8.1354



14.4909, 18.4409, 20.5734



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.



32.5402, 51.8982, 51.4832



47.8312, 76.3485, 75.4863



22.1415, 24.6563, 67.8844



12.7013, 14.0715, 15.5074



19.4949, 31.0533, 30.9655



1.1996, 1.8825, 1.9926

Inverse Universe

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



28.3297, 14.5700, 2.9123



41.6494, 21.4238, 4.0858



30.3231, 19.0428, 2.0785



12.5049, 12.4535, 13.3331



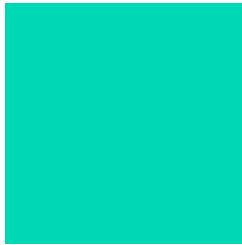
16.9694, 8.7241, 1.8768



1.0497, 0.5367, 0.2510

Previews

White Background



This preview shows how the XYZ color 32.5387, 51.8962, 51.4820 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 32.5387, 51.8962, 51.4820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

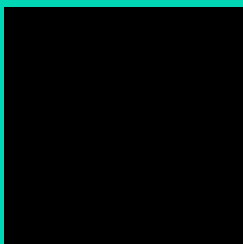
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

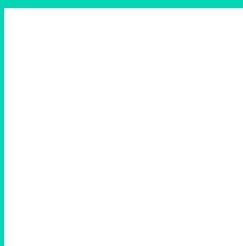
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5387, 51.8962, 51.4820

Background



This preview shows how black text looks on a background with the XYZ color 32.5387, 51.8962, 51.4820.



This preview shows how white text looks on a background with the XYZ color 32.5387, 51.8962,

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

32.5387, 51.8962, 51.4820

Protanopia

48.3692, 51.1541, 43.4008

Deuteranopia

51.9156, 50.8647, 54.0953



Tritanopia

38.4524, 52.0840, 79.9781

Trichromacy



Original Color

32.5387, 51.8962, 51.4820



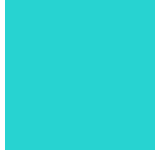
Protanomaly

36.1490, 47.7641, 45.8422



Deuteranomaly

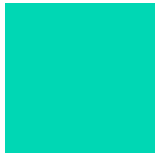
37.6826, 47.3964, 52.5097



Tritanomaly

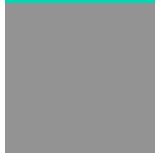
35.6396, 51.6233, 68.4075

Monochromacy



Original Color

32.5387, 51.8962, 51.4820



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.6266, 34.3879, 38.0878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5387, 51.8962, 51.4820 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 180) }
```

Border

The CSS property to change the border of an element to XYZ 32.5387, 51.8962, 51.4820 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, 180) }
```


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

```
.border{ border-color:rgb(0, 215, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5387, 51.8962, 51.4820 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, 180) }
```

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

```
.background{ background-color: rgb(0, 215,  
180) }
```

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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