

Converting Colors

XYZ(23.3977, 42.9958, 26.3598)

Have a look what the booklet for
XYZ(23.3977, 42.9958, 26.3598)
contains.

XYZ(24.8222, 43.7217, 26.5329)	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(24.8222, 43.7217,
26.5329)**

Conversions

Conversions Part 1

Format	Color
Hex	00CA7D
RGB	0, 202, 125
RGB Percent	0%, 79%, 49%
CMY	0.9999, 0.2078, 0.5098
CMYK	1.00, 0.00, 0.38, 0.21
HSL	157°, 100%, 40%
HSV	157°, 100%, 79%
XYZ	24.8222, 43.7217, 26.5329
YIQ	132.8240, -95.6750, -66.7710

Conversions

Conversions Part 2

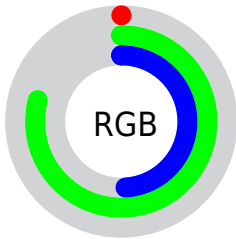
Format	Color
RYB	0, 125, 202
Decimal	51837
CIELab	72.04, -59.89, 26.87
CIELCh	72, 65.647, 155.834
Yxy	43.7217, 0.2611, 0.4599
Android (android.graphics.Color)	4278241917 (0xFF00CA7D)
YUV	132.8240, -3.8572, -116.4866
Hunter-Lab	66.1224, -48.7057, 22.4944

Details

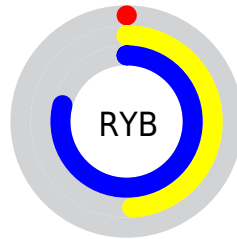
The XYZ color **24.8222, 43.7217, 26.5329** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **25.6984, 13.0935, 8.1974**, and the grayscale version is **22.2712, 23.4311, 25.5164**.

A 20% lighter version of the original color is **49.1627, 77.5011, 54.4875**, and **11.5489, 21.0658, 10.1140** is the 20% darker color. If you saturate the color by 10%, you get **24.8227, 43.7232, 26.5317**, and if you desaturate by 10%, it is **25.6274, 44.0789, 29.2402**.

Distribution



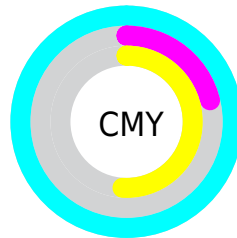
- Red (0%)
- Green (79%)
- Blue (49%)



- Red (0%)
- Yellow (49%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8222, 43.7217, 26.5329 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 24.8222, 43.7217, 26.5329 by changing the saturation by 10% instead.


 24.8222, 43.7217,
26.5329


 24.8222, 43.7217,
26.5329


269.3153,
361.5714, 299.0766


 16.0727, 30.4518,
16.9934


 50.8136, 80.7988,
55.1280


 9.6668, 20.1818,
10.0679


 68.7862, 105.3748,
75.0207


 5.2391, 12.5272,
5.3378


 90.5638, 134.4882,
99.2015

 2.4244, 7.1038,
2.3846

 116.5119,
168.5235, 128.0890

 0.8573, 3.5271,
0.7780

 146.9957,
207.8651, 162.1017

 0.0000, 1.4127,
0.0000

182.3806,

 0.0000, 0.2261,

252.8974, 201.6582

0.0000

223.0321,
304.0047, 247.1770

■ 0.0000, 0.0000,
0.0000

■ 24.8222, 43.7217,
26.5329

■ 24.8222, 43.7217,
26.5329

■ 24.8227, 43.7232,
26.5317

■ 25.6274, 44.0789,
29.2402

■ 26.7762, 44.6075,
32.1662

■ 28.3759, 45.3641,
35.3209

■ 30.4834, 46.3776,
38.7112

■ 33.1465, 47.6729,
42.3433

■ 36.4076, 49.2716,
46.2230

■ 40.3046, 51.1931,
50.3558

■ 44.8722, 53.4553,
54.7470

■ 50.1426, 56.0747,
59.4018

Harmonies

Analogous

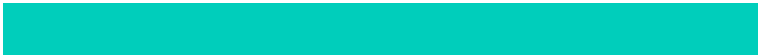
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1661, 43.7217, 13.0370



24.8222, 43.7217, 26.5329



23.5822, 43.7217, 54.1633

Triad

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



24.8222, 43.7217, 26.5329



43.7870, 43.7217, 139.2746



61.6068, 43.7217, 19.8291

Complementary

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



24.8222, 43.7217, 26.5329



25.6984, 13.0935, 8.1974

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.



66.9143, 43.7217, 41.5996



24.8222, 43.7217, 26.5329



55.5034, 43.7217, 117.2859

Square

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



24.8222, 43.7217, 26.5329



33.3378, 43.7217, 129.1143



64.5009, 43.7217, 77.6313



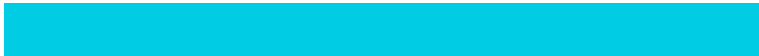
51.0250, 43.7217, 10.5647

Rectangle

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



24.8222, 43.7217, 26.5329



25.0108, 43.7217, 79.9103



64.5009, 43.7217, 77.6313



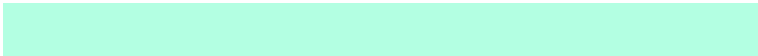
64.1460, 43.7217, 25.4448

Sweetspot

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



24.8233, 43.7234, 26.5339



67.9401, 86.5263, 84.9545



24.2180, 43.8390, 7.1858



13.9137, 18.2100, 17.5340



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.



24.8233, 43.7234, 26.5339



41.9134, 73.9814, 44.3234



26.6690, 36.2800, 61.4763



11.3549, 12.6517, 13.4265



16.0171, 28.1521, 17.3069



0.8626, 1.4668, 1.0838

Inverse Universe

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



25.6984, 13.0935, 8.1974



43.4075, 22.1270, 13.3440



24.6762, 13.1932, 1.2465



11.3863, 11.2833, 12.5690



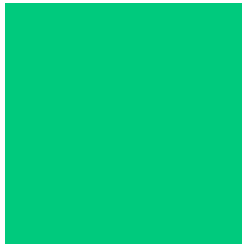
16.5760, 8.4410, 5.4857



0.8918, 0.4501, 0.4763

Previews

White Background



This preview shows how the XYZ color 24.8222, 43.7217, 26.5329 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 24.8222, 43.7217, 26.5329 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

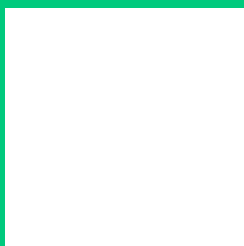
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8222, 43.7217, 26.5329

Background



This preview shows how black text looks on a background with the XYZ color 24.8222, 43.7217, 26.5329.

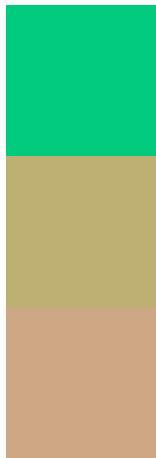


This preview shows how white text looks on a background with the XYZ color 24.8222, 43.7217,

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

24.8222, 43.7217, 26.5329

Protanopia

39.6024, 42.8220, 22.0978

Deuteranopia

43.6899, 42.8205, 28.1528



Tritanopia

32.9073, 43.6311, 66.3617

Trichromacy



Original Color

24.8222, 43.7217, 26.5329



Protanomaly

28.5041, 40.0709, 23.3717



Deuteranomaly

29.7106, 39.0795, 27.0963



Tritanomaly

28.9025, 43.2751, 48.9491

Monochromacy



Original Color

24.8222, 43.7217, 26.5329



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.0024, 27.9967, 25.4688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8222, 43.7217, 26.5329 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, 202, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 125)  
}
```

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, 202, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 125) }
```

Border

The CSS property to change the border of an element to XYZ 24.8222, 43.7217, 26.5329 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, 202, 125) }
```


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

```
.border{ border-color:rgb(0, 202, 125) }
```

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

Here you see how a box with a 4 pixel rgb(0, 202, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8222, 43.7217, 26.5329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 125) }
```

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

```
.background{ background-color: rgb(0, 202,  
125) }
```

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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