

Converting Colors

XYZ(21.1634, 37.5246, 26.3959)

Have a look what the booklet for
XYZ(21.1634, 37.5246, 26.3959)
contains.

XYZ(22.0939, 37.9537, 26.5834)	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(22.0939, 37.9537,
26.5834)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD80
RGB	0, 189, 128
RGB Percent	0%, 74%, 50%
CMY	0.9999, 0.2588, 0.4980
CMYK	1.00, 0.00, 0.32, 0.26
HSL	161°, 100%, 37%
HSV	161°, 100%, 74%
XYZ	22.0939, 37.9537, 26.5834
YIQ	125.5350, -93.0630, -59.0390

Conversions

Conversions Part 2

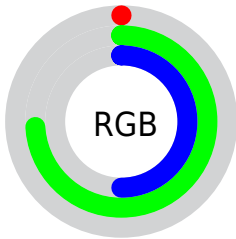
Format	Color
RYB	0, 113, 189
Decimal	48512
CIELab	67.99, -54.58, 19.80
CIELCh	68, 58.061, 160.058
Yxy	37.9537, 0.2550, 0.4381
Android (android.graphics.Color)	4278238592 (0xFF00BD80)
YUV	125.5350, 1.2152, -110.0942
Hunter-Lab	61.6066, -43.7962, 17.5408

Details

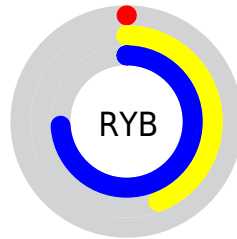
The XYZ color **22.0939, 37.9537, 26.5834** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **21.8301, 11.1568, 5.4207**, and the grayscale version is **19.6945, 20.7201, 22.5642**.

A 20% lighter version of the original color is **46.2260, 71.7891, 55.1364**, and **9.9002, 17.6003, 10.0831** is the 20% darker color. If you saturate the color by 10%, you get **22.0943, 37.9549, 26.5821**, and if you desaturate by 10%, it is **22.7755, 38.2582, 28.7760**.

Distribution



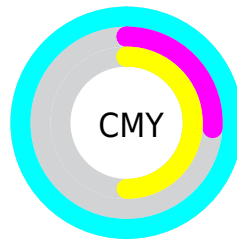
- Red (0%)
- Green (74%)
- Blue (50%)



- Red (0%)
- Yellow (44%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.0939, 37.9537, 26.5834 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 22.0939, 37.9537, 26.5834 by changing the saturation by 10% instead.


 22.0939, 37.9537,
26.5834


 22.0939, 37.9537,
26.5834


255.6594,
337.4213, 299.3304


 14.0429, 25.9468,
17.0309


 46.3788, 72.0372,
55.2102


 8.2324, 16.7838,
10.0944


 63.3435, 94.8825,
75.1216


 4.2971, 10.0805,
5.3551


 84.0101, 122.1094,
99.3231

 1.8715, 5.4523,
2.3947

 108.7440,
154.1022, 128.2332

 0.5602, 2.5150,
0.7836

 137.9105,
191.2455, 162.2704

 0.0000, 0.8842,
0.0000

 171.8750,

 0.0000, 0.0000,

233.9235, 201.8534

0.0000

211.0028,
282.5206, 247.4005

■ 22.0939, 37.9537,
26.5834

■ 22.0939, 37.9537,
26.5834

■ 22.0943, 37.9549,
26.5821

■ 22.7755, 38.2582,
28.7760

■ 23.7396, 38.7046,
31.1092

■ 25.0817, 39.3430,
33.5903

■ 26.8494, 40.1978,
36.2237

■ 29.0831, 41.2899,
39.0133

■ 31.8183, 42.6375,
41.9626

■ 35.0871, 44.2571,
45.0750

■ 38.9186, 46.1637,
48.3539

■ 43.3399, 48.3712,
51.8022

Harmonies

Analogous

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



26.0169, 37.9537, 13.7597



22.0939, 37.9537, 26.5834



21.5403, 37.9537, 50.6283

Triad

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



22.0939, 37.9537, 26.5834



39.1907, 37.9537, 112.1374



51.0566, 37.9537, 16.8792

Complementary

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



22.0939, 37.9537, 26.5834



21.8301, 11.1568, 5.4207

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.



56.0052, 37.9537, 33.2377



22.0939, 37.9537, 26.5834



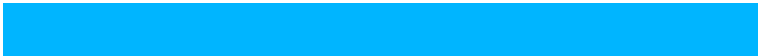
48.4368, 37.9537, 92.2438

Square

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



22.0939, 37.9537, 26.5834



30.4717, 37.9537, 107.8795



54.9737, 37.9537, 60.7043



42.3237, 37.9537, 9.9965

Rectangle

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



22.0939, 37.9537, 26.5834



23.0398, 37.9537, 71.5580



54.9737, 37.9537, 60.7043



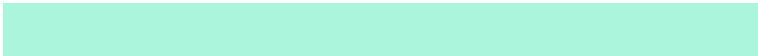
53.2788, 37.9537, 21.0927

Sweetspot

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



22.0949, 37.9552, 26.5843



62.5288, 79.1078, 80.4465



20.2491, 37.4538, 6.1626



12.8944, 16.7379, 16.7879



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.0949, 37.9552, 26.5843



39.4549, 67.9291, 47.0039



21.3286, 27.9598, 52.4185



9.6740, 10.7557, 11.5327



14.9013, 25.5508, 18.0750



0.6124, 1.0123, 0.8592

Inverse Universe

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



21.8301, 11.1568, 5.4207



38.9984, 19.9413, 9.1941



21.4907, 11.8264, 1.1506



9.6537, 9.5858, 10.5654



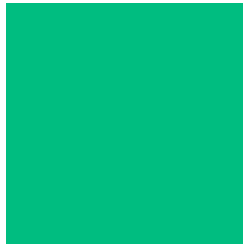
14.7185, 7.5185, 3.8112



0.6072, 0.3068, 0.3108

Previews

White Background



This preview shows how the XYZ color 22.0939, 37.9537, 26.5834 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 22.0939, 37.9537, 26.5834 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 22.0939, 37.9537, 26.5834

Background



This preview shows how black text looks on a background with the XYZ color 22.0939, 37.9537, 26.5834.

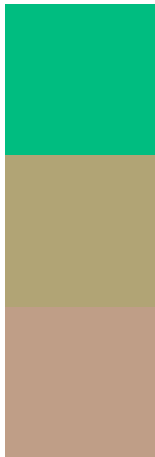


This preview shows how white text looks on a background with the XYZ color 22.0939, 37.9537,

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

22.0939, 37.9537, 26.5834

Protanopia

34.6178, 37.1824, 22.1820

Deuteranopia

38.0859, 37.2794, 28.1100



Tritanopia

28.5542, 38.1117, 57.4811

Trichromacy



Original Color

22.0939, 37.9537, 26.5834



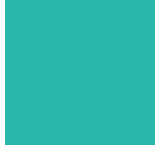
Protanomaly

25.2048, 34.7783, 23.4736



Deuteranomaly

26.3789, 34.1795, 27.0368



Tritanomaly

25.4056, 37.6927, 44.4645

Monochromacy



Original Color

22.0939, 37.9537, 26.5834



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.8865, 24.7327, 23.9098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0939, 37.9537, 26.5834 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, 189, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 128)  
}
```

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, 189, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 128) }
```

Border

The CSS property to change the border of an element to XYZ 22.0939, 37.9537, 26.5834 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, 189, 128) }
```


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

```
.border{ border-color:rgb(0, 189, 128) }
```

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

Here you see how a box with a 4 pixel rgb(0, 189, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0939, 37.9537, 26.5834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 128) }
```

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

```
.background{ background-color: rgb(0, 189,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor