

Converting Colors

XYZ(22.5968, 37.1374, 32.3672)

Have a look what the booklet for
XYZ(22.5968, 37.1374, 32.3672)
contains.

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Color

**XYZ(22.5929, 37.1314,
32.3619)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA90
RGB	0, 186, 144
RGB Percent	0%, 73%, 56%
CMY	0.9999, 0.2706, 0.4353
CMYK	1.00, 0.00, 0.23, 0.27
HSL	166°, 100%, 36%
HSV	166°, 100%, 73%
XYZ	22.5929, 37.1314, 32.3619
YIQ	125.5980, -97.3740, -52.4940

Conversions

Conversions Part 2

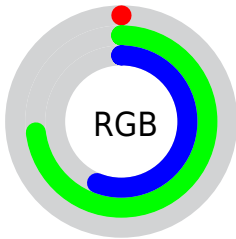
Format	Color
RYB	0, 105, 186
Decimal	47760
CIELab	67.38, -49.65, 10.28
CIELCh	67, 50.702, 168.302
Yxy	37.1314, 0.2453, 0.4032
Android (android.graphics.Color)	4278237840 (0xFF00BA90)
YUV	125.5980, 9.0722, -110.1494
Hunter-Lab	60.9355, -40.4552, 11.1669

Details

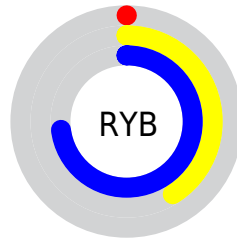
The XYZ color **22.5929, 37.1314, 32.3619** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.6689, 10.6071, 3.1502**, and the grayscale version is **19.6909, 20.7163, 22.5601**.

A 20% lighter version of the original color is **47.1734, 70.7198, 64.5901**, and **10.2716, 17.3107, 13.3896** is the 20% darker color. If you saturate the color by 10%, you get **22.5934, 37.1326, 32.3612**, and if you desaturate by 10%, it is **23.1820, 37.3982, 34.0977**.

Distribution



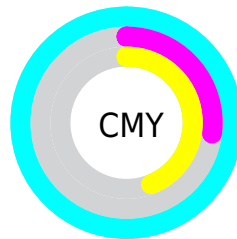
- Red (0%)
- Green (73%)
- Blue (56%)



- Red (0%)
- Yellow (41%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5929, 37.1314, 32.3619 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 22.5929, 37.1314, 32.3619 by changing the saturation by 10% instead.

■ 22.5929, 37.1314,
32.3619

■ 22.5929, 37.1314,
32.3619

258.2017,
333.8791, 327.3079

■ 14.4122, 25.3092,
21.3710

■ 47.1956, 70.7748,
64.4825

■ 8.4916, 16.3076,
13.2016

■ 64.3483, 93.3649,
86.4492

■ 4.4655, 9.7421,
7.4351

■ 85.2225, 120.3131,
112.9117

■ 1.9687, 5.2283,
3.6531

■ 110.1834,
152.0037, 144.2883

■ 0.6163, 2.3818,
1.4371

■ 139.5964,
188.8212, 180.9977

■ 0.0000, 0.8165,
0.1704

■ 173.8269,

■ 0.0000, 0.0000,

231.1500, 223.4584

0.0000

213.2402,
279.3745, 272.0890

■ 22.5929, 37.1314,
32.3619

■ 22.5929, 37.1314,
32.3619

■ 22.5934, 37.1326,
32.3612

■ 23.1820, 37.3982,
34.0977

■ 24.0309, 37.7966,
35.9079

■ 25.2322, 38.3754,
37.7983

■ 26.8316, 39.1579,
39.7716

■ 28.8675, 40.1640,
41.8303

■ 31.3739, 41.4111,
43.9766

■ 34.3812, 42.9151,
46.2125

■ 37.9174, 44.6902,
48.5399

■ 42.0082, 46.7498,
50.9606

Harmonies

Analogous

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



25.2727, 37.1314, 18.1274



22.5929, 37.1314, 32.3619



22.9254, 37.1314, 55.4068

Triad

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



22.5929, 37.1314, 32.3619



40.1940, 37.1314, 96.1636



46.1902, 37.1314, 16.1614

Complementary

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



22.5929, 37.1314, 32.3619



20.6689, 10.6071, 3.1502

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.



51.4583, 37.1314, 28.4287



22.5929, 37.1314, 32.3619



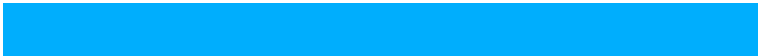
47.6616, 37.1314, 76.0852

Square

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



22.5929, 37.1314, 32.3619



32.3496, 37.1314, 98.4546



52.0332, 37.1314, 49.7381



38.4082, 37.1314, 11.3415

Rectangle

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



22.5929, 37.1314, 32.3619



24.8201, 37.1314, 73.1638



52.0332, 37.1314, 49.7381



48.3600, 37.1314, 19.2887

Sweetspot

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



22.5939, 37.1328, 32.3628



62.0176, 77.6340, 83.5510



18.5733, 35.6417, 5.9011



13.1279, 16.8313, 18.0175



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.



22.5939, 37.1328, 32.3628



40.8544, 67.2643, 58.1489



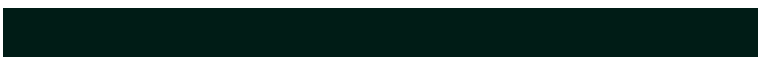
17.7250, 21.2685, 49.6271



9.1775, 10.1750, 11.0923



15.2289, 24.9925, 21.9253



0.5585, 0.8897, 0.8870

Inverse Universe

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



20.6689, 10.6071, 3.1502



37.3864, 19.1946, 5.3122



21.3747, 12.6878, 1.3229



9.0855, 9.0446, 9.7975



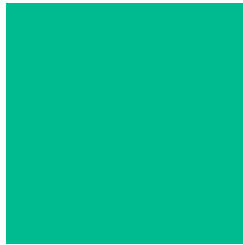
13.9287, 7.1452, 2.2451



0.5150, 0.2615, 0.2052

Previews

White Background



This preview shows how the XYZ color 22.5929, 37.1314, 32.3619 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 22.5929, 37.1314, 32.3619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

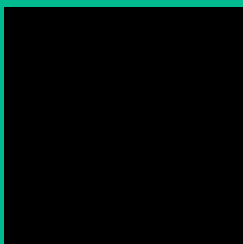
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

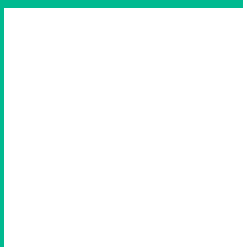
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.5929, 37.1314, 32.3619

Background



This preview shows how black text looks on a background with the XYZ color 22.5929, 37.1314, 32.3619.

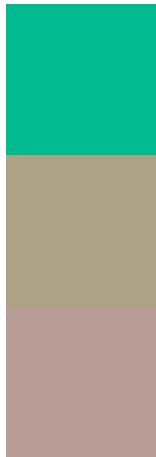


This preview shows how white text looks on a background with the XYZ color 22.5929, 37.1314,

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

22.5929, 37.1314, 32.3619

Protanopia

34.4956, 36.7446, 27.1041

Deuteranopia

37.0904, 36.3832, 33.9220



Tritanopia

27.6026, 37.0348, 56.7326

Trichromacy



Original Color

22.5929, 37.1314, 32.3619



Protanomaly

25.4373, 34.2184, 28.5567



Deuteranomaly

26.5504, 33.8564, 33.1526



Tritanomaly

25.3274, 36.9838, 46.8780

Monochromacy



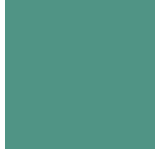
Original Color

22.5929, 37.1314, 32.3619



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.1318, 24.5787, 25.9788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5929, 37.1314, 32.3619 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, 186, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 144)  
}
```

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, 186, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 144) }
```

Border

The CSS property to change the border of an element to XYZ 22.5929, 37.1314, 32.3619 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, 186, 144) }
```


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

```
.border{ border-color:rgb(0, 186, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5929, 37.1314, 32.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 144) }
```

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

```
.background{ background-color: rgb(0, 186,  
144) }
```

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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