

Converting Colors

XYZ(15.3686, 33.9251, 27.5175)

Have a look what the booklet for
XYZ(15.3686, 33.9251, 27.5175)
contains.

XYZ(21.9352, 37.2066, 27.8553)	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(21.9352, 37.2066,
27.8553)**

Conversions

Conversions Part 1

Format	Color
Hex	00BB84
RGB	0, 187, 132
RGB Percent	0%, 73%, 52%
CMY	0.9999, 0.2667, 0.4823
CMYK	1.00, 0.00, 0.29, 0.27
HSL	162°, 100%, 37%
HSV	162°, 100%, 73%
XYZ	21.9352, 37.2066, 27.8553
YIQ	124.8170, -93.7970, -56.7490

Conversions

Conversions Part 2

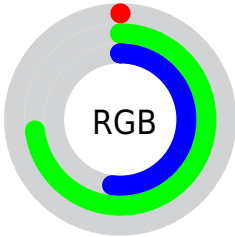
Format	Color
RYB	0, 110, 187
Decimal	48004
CIELab	67.43, -52.93, 16.88
CIELCh	67, 55.554, 162.307
Yxy	37.2066, 0.2521, 0.4277
Android (android.graphics.Color)	4278238084 (0xFF00BB84)
YUV	124.8170, 3.5412, -109.4645
Hunter-Lab	60.9972, -42.5548, 15.6224

Details

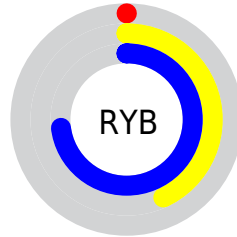
The XYZ color **21.9352, 37.2066, 27.8553** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **21.1845, 10.8416, 4.5930**, and the grayscale version is **19.4449, 20.4575, 22.2782**.

A 20% lighter version of the original color is **46.0374, 70.7455, 57.1278**, and **9.7743, 17.1117, 10.7704** is the 20% darker color. If you saturate the color by 10%, you get **21.9356, 37.2078, 27.8542**, and if you desaturate by 10%, it is **22.5856, 37.4982, 29.9038**.

Distribution



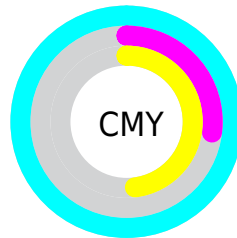
- Red (0%)
- Green (73%)
- Blue (52%)



- Red (0%)
- Yellow (43%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9352, 37.2066, 27.8553 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 21.9352, 37.2066, 27.8553 by changing the saturation by 10% instead.

■ 21.9352, 37.2066,
27.8553

■ 21.9352, 37.2066,
27.8553

254.8464,
334.2041, 305.6650

■ 13.9256, 25.3675,
17.9785

■ 46.1185, 70.8904,
57.2737

■ 8.1503, 16.3511,
10.7653

■ 63.0230, 93.5039,
77.6523

■ 4.2439, 9.7729,
5.7971

■ 83.6231, 120.4777,
102.3687

■ 1.8410, 5.2487,
2.6553

■ 108.2843,
152.1961, 131.8413

■ 0.5422, 2.3939,
0.9208

■ 137.3719,
189.0435, 166.4887

■ 0.0000, 0.8227,
0.0000

■ 171.2512,

■ 0.0000, 0.0000,

231.4044, 206.7294

0.0000

210.2876,
279.6632, 252.9820

■ 21.9352, 37.2066,
27.8553

■ 21.9352, 37.2066,
27.8553

■ 21.9356, 37.2078,
27.8542

■ 22.5856, 37.4982,
29.9038

■ 23.5072, 37.9263,
32.0694

■ 24.7938, 38.5403,
34.3588

■ 26.4917, 39.3638,
36.7755

■ 28.6400, 40.4171,
39.3230

■ 31.2732, 41.7180,
42.0042

■ 34.4225, 43.2824,
44.8220

■ 38.1163, 45.1250,
47.7791

■ 42.3807, 47.2592,
50.8780

Harmonies

Analogous

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



25.4397, 37.2066, 14.7698



21.9352, 37.2066, 27.8553



21.6465, 37.2066, 51.3620

Triad

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



21.9352, 37.2066, 27.8553



38.9732, 37.2066, 105.8499



48.9218, 37.2066, 16.4196

Complementary

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



21.9352, 37.2066, 27.8553



21.1845, 10.8416, 4.5930

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.



53.9145, 37.2066, 31.3083



21.9352, 37.2066, 27.8553



47.5820, 37.2066, 86.0823

Square

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



21.9352, 37.2066, 27.8553



30.6129, 37.2066, 103.6987



53.3881, 37.2066, 56.5168



40.5823, 37.2066, 10.2299

Rectangle

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



21.9352, 37.2066, 27.8553



23.2417, 37.2066, 71.1310



53.3881, 37.2066, 56.5168



51.1031, 37.2066, 20.2478

Sweetspot

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



21.9362, 37.2081, 27.8562



61.3466, 77.3656, 80.0175



19.4083, 36.3860, 6.0008



12.9622, 16.7650, 17.1449



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.



21.9362, 37.2081, 27.8562



39.1766, 66.5932, 49.3132



19.8138, 25.2753, 50.8498



9.6857, 10.7604, 11.5945



15.1461, 25.6487, 19.3637



0.6206, 1.0156, 0.9023

Inverse Universe

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



21.1845, 10.8416, 4.5930



37.8494, 19.3798, 7.7505



21.1689, 11.9144, 1.1845



9.6425, 9.5813, 10.5066



14.6234, 7.4805, 3.3104



0.6024, 0.3049, 0.2856

Previews

White Background



This preview shows how the XYZ color 21.9352, 37.2066, 27.8553 looks on a white background.

Color Contrast Check

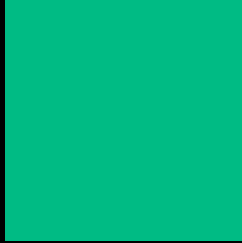
Large Text (above 18pt) WCAG AA × Fail

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 21.9352, 37.2066, 27.8553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

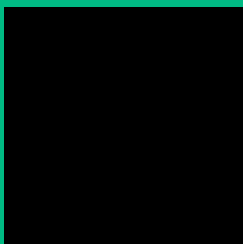
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

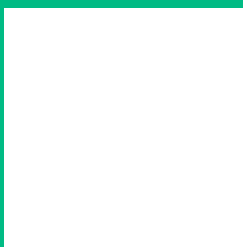
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9352, 37.2066, 27.8553

Background



This preview shows how black text looks on a background with the XYZ color 21.9352, 37.2066, 27.8553.



This preview shows how white text looks on a background with the XYZ color 21.9352, 37.2066, 27.8553.

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

21.9352, 37.2066, 27.8553

Protanopia

34.2276, 36.6888, 23.3668

Deuteranopia

37.2107, 36.5428, 29.5184



Tritanopia

27.9076, 37.1920, 56.7468

Trichromacy



Original Color

21.9352, 37.2066, 27.8553



Protanomaly

25.0097, 34.3652, 24.7170



Deuteranomaly

26.0543, 33.7048, 28.4250



Tritanomaly

24.9537, 36.8473, 44.3251

Monochromacy



Original Color

21.9352, 37.2066, 27.8553



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.7945, 24.4438, 24.2023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9352, 37.2066, 27.8553 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, 187, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 132)  
}
```

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, 187, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 132) }
```

Border

The CSS property to change the border of an element to XYZ 21.9352, 37.2066, 27.8553 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, 187, 132) }
```


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

```
.border{ border-color:rgb(0, 187, 132) }
```

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

Here you see how a box with a 4 pixel rgb(0, 187, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9352, 37.2066, 27.8553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 132) }
```

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

```
.background{ background-color: rgb(0, 187,  
132) }
```

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