

Converting Colors

XYZ(17.5221, 35.5766, 23.0133)

Have a look what the booklet for
XYZ(17.5221, 35.5766, 23.0133)
contains.

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Color

**XYZ(21.4676, 37.7032,
23.2855)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD76
RGB	0, 189, 118
RGB Percent	0%, 74%, 46%
CMY	0.9999, 0.2588, 0.5372
CMYK	1.00, 0.00, 0.38, 0.26
HSL	157°, 100%, 37%
HSV	157°, 100%, 74%
XYZ	21.4676, 37.7032, 23.2855
YIQ	124.3950, -89.8530, -62.1490

Conversions

Conversions Part 2

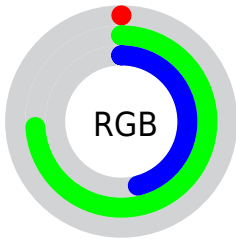
Format	Color
RYB	0, 116, 189
Decimal	48502
CIELab	67.80, -56.71, 24.88
CIELCh	68, 61.933, 156.311
Yxy	37.7032, 0.2604, 0.4573
Android (android.graphics.Color)	4278238582 (0xFF00BD76)
YUV	124.3950, -3.1527, -109.0944
Hunter-Lab	61.4029, -45.0482, 20.4978

Details

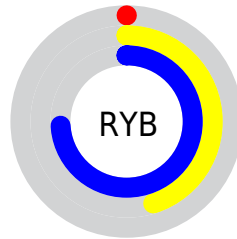
The XYZ color **21.4676, 37.7032, 23.2855** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **22.1250, 11.2746, 6.9737**, and the grayscale version is **19.3236, 20.3299, 22.1393**.

A 20% lighter version of the original color is **45.2362, 71.3932, 49.9241**, and **9.5993, 17.4799, 8.4982** is the 20% darker color. If you saturate the color by 10%, you get **21.4681, 37.7045, 23.2848**, and if you desaturate by 10%, it is **22.1734, 38.0174, 25.6058**.

Distribution



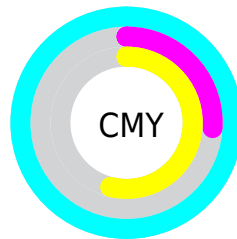
- Red (0%)
- Green (74%)
- Blue (46%)



- Red (0%)
- Yellow (45%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4676, 37.7032, 23.2855 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 21.4676, 37.7032, 23.2855 by changing the saturation by 10% instead.

■ 21.4676, 37.7032,
23.2855

■ 21.4676, 37.7032,
23.2855

252.4381,
336.3451, 282.3573

■ 13.5806, 25.7524,
14.5972

■ 45.3499, 71.6530,
49.7908

■ 7.9093, 16.6385,
8.3937

■ 62.0759, 94.4208,
68.4449

■ 4.0883, 9.9771,
4.2565

■ 82.4791, 121.5631,
91.2580

■ 1.7522, 5.3838,
1.7671

■ 106.9246,
153.4642, 118.6486

■ 0.4886, 2.4741,
0.4061

■ 135.7779,
190.5085, 151.0353

■ 0.0000, 0.8637,
0.0000

■ 169.4044,

■ 0.0000, 0.0000,

233.0805, 188.8366

0.0000

208.1693,
281.5646, 232.4711

■ 21.4676, 37.7032,
23.2855

■ 21.4676, 37.7032,
23.2855

■ 21.4681, 37.7045,
23.2848

■ 22.1734, 38.0174,
25.6058

■ 23.1695, 38.4766,
28.1083

■ 24.5518, 39.1310,
30.8017

■ 26.3680, 40.0052,
33.6914

■ 28.6589, 41.1202,
36.7827

■ 31.4601, 42.4942,
40.0802

■ 34.8039, 44.1438,
43.5887

■ 38.7197, 46.0841,
47.3124

■ 43.2348, 48.3291,
51.2556

Harmonies

Analogous

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



25.9912, 37.7032, 11.5146



21.4676, 37.7032, 23.2855



20.4594, 37.7032, 47.1329

Triad

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



21.4676, 37.7032, 23.2855



37.9004, 37.7032, 119.0527



52.8361, 37.7032, 17.0551

Complementary

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



21.4676, 37.7032, 23.2855



22.1250, 11.2746, 6.9737

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.



57.4566, 37.7032, 35.5187



21.4676, 37.7032, 23.2855



47.8969, 37.7032, 99.9771

Square

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



21.4676, 37.7032, 23.2855



28.9283, 37.7032, 110.8531



55.5045, 37.7032, 66.1247



43.7635, 37.7032, 9.2028

Rectangle

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



21.4676, 37.7032, 23.2855



21.7219, 37.7032, 69.1784



55.5045, 37.7032, 66.1247



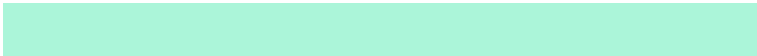
55.0288, 37.7032, 21.8175

Sweetspot

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



21.4686, 37.7047, 23.2864



62.0167, 78.9029, 77.7498



20.9052, 37.7920, 6.1931



12.7717, 16.6888, 16.1418



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.



21.4686, 37.7047, 23.2864



38.3278, 67.4782, 41.0687



22.9962, 31.2951, 52.9745



9.6524, 10.7471, 11.4192



14.4819, 25.3830, 15.8664



0.5980, 1.0066, 0.7835

Inverse Universe

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



22.1250, 11.2746, 6.9737



39.5168, 20.1487, 11.9243



21.2752, 11.3954, 1.0786



9.6744, 9.5941, 10.6746



14.9200, 7.5991, 4.8722



0.6164, 0.3105, 0.3593

Previews

White Background



This preview shows how the XYZ color 21.4676, 37.7032, 23.2855 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 21.4676, 37.7032, 23.2855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

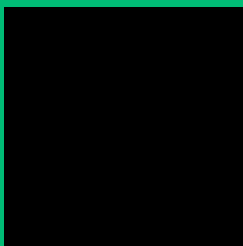
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

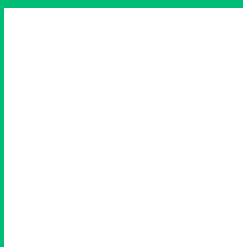
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4676, 37.7032, 23.2855

Background



This preview shows how black text looks on a background with the XYZ color 21.4676, 37.7032, 23.2855.



This preview shows how white text looks on a background with the XYZ color 21.4676, 37.7032,

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

21.4676, 37.7032, 23.2855

Protanopia

34.3423, 37.0986, 19.5381

Deuteranopia

37.7510, 36.9321, 24.5409



Tritanopia

28.3736, 37.7308, 56.8263

Trichromacy



Original Color

21.4676, 37.7032, 23.2855



Protanomaly

24.6783, 34.5677, 20.7008



Deuteranomaly

25.8692, 33.9920, 23.6100



Tritanomaly

24.8127, 37.1337, 41.9362

Monochromacy



Original Color

21.4676, 37.7032, 23.2855



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.3272, 24.2472, 22.1793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4676, 37.7032, 23.2855 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 118) }
```

Border

The CSS property to change the border of an element to XYZ 21.4676, 37.7032, 23.2855 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, 118) }
```


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

```
.border{ border-color:rgb(0, 189, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4676, 37.7032, 23.2855 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, 118) }
```

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

```
.background{ background-color: rgb(0, 189,  
118) }
```

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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