

Converting Colors

XYZ(22.0505, 37.4517, 29.7659)

Have a look what the booklet for
XYZ(22.0505, 37.4517, 29.7659)
contains.

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Color

**XYZ(22.4986, 37.7726,
29.7720)**

Conversions

Conversions Part 1

Format	Color
Hex	00BC89
RGB	0, 188, 137
RGB Percent	0%, 74%, 54%
CMY	0.9999, 0.2627, 0.4627
CMYK	1.00, 0.00, 0.27, 0.26
HSL	164°, 100%, 37%
HSV	164°, 100%, 74%
XYZ	22.4986, 37.7726, 29.7720
YIQ	125.9740, -95.6770, -55.7170

Conversions

Conversions Part 2

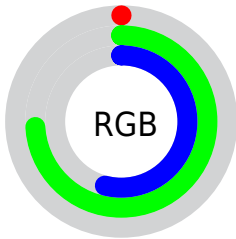
Format	Color
RYB	0, 109, 188
Decimal	48265
CIELab	67.85, -52.14, 14.76
CIElCh	68, 54.187, 164.191
Yxy	37.7726, 0.2499, 0.4195
Android (android.graphics.Color)	4278238345 (0xFF00BC89)
YUV	125.9740, 5.4358, -110.4792
Hunter-Lab	61.4594, -42.2100, 14.3005

Details

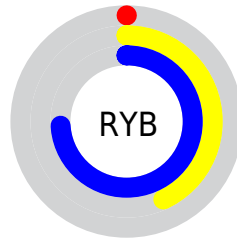
The XYZ color **22.4986, 37.7726, 29.7720** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.3380, 10.9314, 4.1197**, and the grayscale version is **19.8302, 20.8630, 22.7198**.

A 20% lighter version of the original color is **46.8764, 71.5639, 60.0578**, and **10.1078, 17.4632, 11.8548** is the 20% darker color. If you saturate the color by 10%, you get **22.4990, 37.7738, 29.7708**, and if you desaturate by 10%, it is **23.1391, 38.0605, 31.7584**.

Distribution



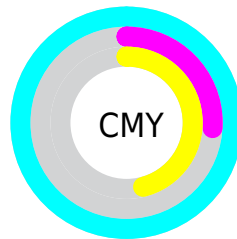
- Red (0%)
- Green (74%)
- Blue (54%)



- Red (0%)
- Yellow (43%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4986, 37.7726, 29.7720 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 22.4986, 37.7726, 29.7720 by changing the saturation by 10% instead.

■ 22.4986, 37.7726,
29.7720

■ 22.4986, 37.7726,
29.7720

257.7228,
336.6435, 315.0144

■ 14.3424, 25.8062,
19.4150

■ 47.0414, 71.7595,
60.3582

■ 8.4425, 16.6787,
11.7907

■ 64.1588, 94.5488,
81.4244

■ 4.4335, 10.0057,
6.4805

■ 84.9939, 121.7145,
106.8975

■ 1.9502, 5.4027,
3.0659

■ 109.9120,
153.6410, 137.1960

■ 0.6058, 2.4855,
1.1284

■ 139.2787,
190.7128, 172.7384

■ 0.0000, 0.8693,
0.0000

■ 173.4591,

■ 0.0000, 0.0000,

233.3142, 213.9432

0.0000

212.8187,
281.8297, 261.2290

■ 22.4986, 37.7726,
29.7720

■ 22.4986, 37.7726,
29.7720

■ 22.4990, 37.7738,
29.7708

■ 23.1391, 38.0605,
31.7584

■ 24.0517, 38.4856,
33.8482

■ 25.3308, 39.0977,
36.0479

■ 27.0233, 39.9207,
38.3608

■ 29.1688, 40.9752,
40.7900

■ 31.8022, 42.2791,
43.3381

■ 34.9550, 43.8487,
46.0077

■ 38.6559, 45.6985,
48.8013

■ 42.9315, 47.8425,
51.7212

Harmonies

Analogous

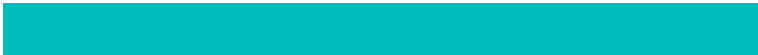
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.7815, 37.7726, 16.0823



22.4986, 37.7726, 29.7720



22.4123, 37.7726, 53.5385

Triad

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



22.4986, 37.7726, 29.7720



40.0076, 37.7726, 104.2255



48.7689, 37.7726, 16.5813

Complementary

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



22.4986, 37.7726, 29.7720



21.3380, 10.9314, 4.1197

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.



53.9418, 37.7726, 30.8007



22.4986, 37.7726, 29.7720



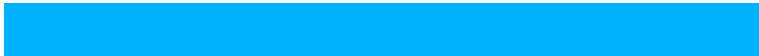
48.3744, 37.7726, 83.9956

Square

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



22.4986, 37.7726, 29.7720



31.6799, 37.7726, 103.5984



53.7871, 37.7726, 55.0567



40.4829, 37.7726, 10.7498

Rectangle

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



22.4986, 37.7726, 29.7720



24.1331, 37.7726, 72.9729



53.7871, 37.7726, 55.0567



50.9831, 37.7726, 20.2299

Sweetspot

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



22.4996, 37.7741, 29.7729



63.0386, 79.3117, 83.1311



19.4670, 36.7323, 6.0646



13.0170, 16.7869, 17.4334



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.



22.4996, 37.7741, 29.7729



40.6664, 68.4137, 53.3837



19.5540, 24.5837, 51.2932



9.6951, 10.7642, 11.6439



15.3503, 25.7304, 20.4394



0.6273, 1.0183, 0.9377

Inverse Universe

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



21.3380, 10.9314, 4.1197



38.5821, 19.7748, 7.0022



21.5242, 12.2604, 1.2326



9.6336, 9.5778, 10.4598



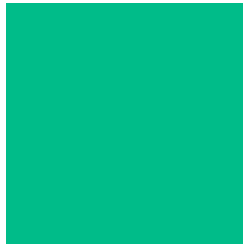
14.5543, 7.4529, 2.9467



0.5986, 0.3033, 0.2654

Previews

White Background



This preview shows how the XYZ color 22.4986, 37.7726, 29.7720 looks on a white background.

Color Contrast Check

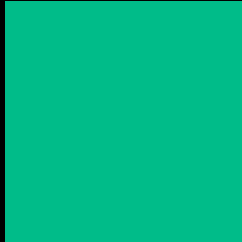
Large Text (above 18pt) WCAG AA × Fail

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 22.4986, 37.7726, 29.7720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

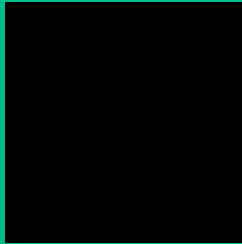
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.4986, 37.7726, 29.7720

Background



This preview shows how black text looks on a background with the XYZ color 22.4986, 37.7726, 29.7720.



This preview shows how white text looks on a background with the XYZ color 22.4986, 37.7726, 29.7720.

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

22.4986, 37.7726, 29.7720

Protanopia

34.7206, 37.1712, 25.0835

Deuteranopia

37.7544, 37.0321, 31.5436



Tritanopia

28.1582, 37.6068, 57.4045

Trichromacy



Original Color

22.4986, 37.7726, 29.7720



Protanomaly

25.5284, 34.8784, 26.5058



Deuteranomaly

26.6034, 34.2210, 30.4025



Tritanomaly

25.4102, 37.3543, 45.9152

Monochromacy



Original Color

22.4986, 37.7726, 29.7720



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.0850, 24.8121, 24.9551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4986, 37.7726, 29.7720 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, 188, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 137)  
}
```

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, 188, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 137) }
```

Border

The CSS property to change the border of an element to XYZ 22.4986, 37.7726, 29.7720 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, 188, 137) }
```


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

```
.border{ border-color:rgb(0, 188, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4986, 37.7726, 29.7720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 137) }
```

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

```
.background{ background-color: rgb(0, 188,  
137) }
```

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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