

Converting Colors

XYZ(27.7527, 46.9137, 38.7737)

Have a look what the booklet for
XYZ(27.7527, 46.9137, 38.7737)
contains.

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Color

**XYZ(28.2292, 46.9922,
38.5929)**

Conversions

Conversions Part 1

Format	Color
Hex	00CF9B
RGB	0, 207, 155
RGB Percent	0%, 81%, 61%
CMY	0.9999, 0.1882, 0.3921
CMYK	1.00, 0.00, 0.25, 0.19
HSL	165°, 100%, 41%
HSV	165°, 100%, 81%
XYZ	28.2292, 46.9922, 38.5929
YIQ	139.1790, -106.6800, -60.0560

Conversions

Conversions Part 2

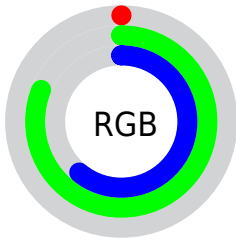
Format	Color
RYB	0, 118, 207
Decimal	53147
CIELab	74.18, -55.13, 13.95
CIELCh	74, 56.867, 165.799
Yxy	46.9922, 0.2480, 0.4129
Android (android.graphics.Color)	4278243227 (0xFF00CF9B)
YUV	139.1790, 7.7998, -122.0600
Hunter-Lab	68.5509, -46.4578, 14.6064

Details

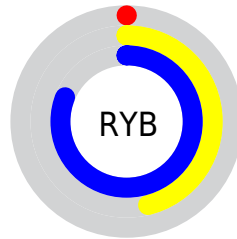
The XYZ color **28.2292, 46.9922, 38.5929** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.3537, 13.5146, 4.4714**, and the grayscale version is **24.6132, 25.8950, 28.1996**.

A 20% lighter version of the original color is **52.9864, 79.0567, 73.4396**, and **13.5653, 23.1327, 16.8468** is the 20% darker color. If you saturate the color by 10%, you get **28.2297, 46.9937, 38.5914**, and if you desaturate by 10%, it is **28.9800, 47.3289, 40.9587**.

Distribution



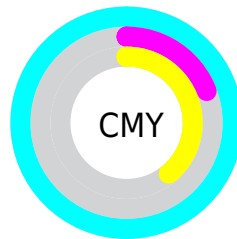
- Red (0%)
- Green (81%)
- Blue (61%)



- Red (0%)
- Yellow (46%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (19%)



- Cyan (100%)
- Magenta (19%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2292, 46.9922, 38.5929 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 28.2292, 46.9922, 38.5929 by changing the saturation by 10% instead.

■ 28.2292, 46.9922,
38.5929

■ 28.2292, 46.9922,
38.5929

285.6208,
374.7834, 355.5307

■ 18.6398, 33.0295,
26.1378

■ 56.2563, 85.7020,
74.2295

■ 11.5128, 22.1490,
16.7001

■ 75.4247, 111.2178,
98.2480

■ 6.4827, 13.9665,
9.8612

■ 98.5168, 141.3535,
126.9581

■ 3.1842, 8.0973,
5.2026

■ 125.8980,
176.4935, 160.7783

■ 1.2519, 4.1573,
2.3058

■ 157.9336,
217.0220, 200.1271

■ 0.1468, 1.7619,
0.7345

194.9891,

■ 0.0000, 0.4633,

263.3236, 245.4231

0.0000

237.4297,
315.7826, 297.0848

■ 0.0000, 0.0000,
0.0000

■ 28.2292, 46.9922,
38.5929

■ 28.2292, 46.9922,
38.5929

■ 28.2297, 46.9937,
38.5914

■ 28.9800, 47.3289,
40.9587

■ 30.0734, 47.8388,
43.4389

■ 31.6211, 48.5806,
46.0409

■ 33.6826, 49.5852,
48.7687

■ 36.3087, 50.8784,
51.6259

■ 39.5433, 52.4831,
54.6155

■ 43.4265, 54.4198,
57.7406

■ 47.9944, 56.7072,
61.0040

■ 53.2808, 59.3625,
64.4082

Harmonies

Analogous

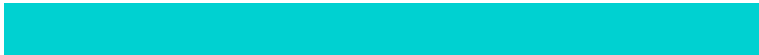
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0342, 46.9922, 21.1589



28.2292, 46.9922, 38.5929



28.3335, 46.9922, 68.0235

Triad

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



28.2292, 46.9922, 38.5929



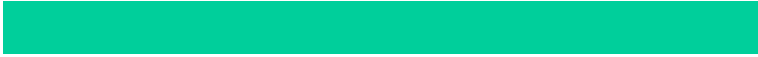
50.2170, 46.9922, 126.4244



59.7721, 46.9922, 20.5504

Complementary

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



28.2292, 46.9922, 38.5929



26.3537, 13.5146, 4.4714

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.



66.3059, 46.9922, 37.3534



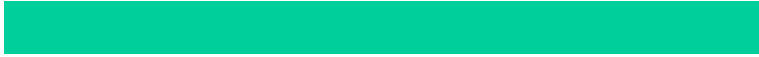
28.2292, 46.9922, 38.5929



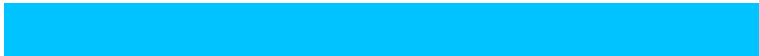
60.2427, 46.9922, 101.1332

Square

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



28.2292, 46.9922, 38.5929



40.0263, 46.9922, 127.1664



66.4902, 46.9922, 66.2115



49.6482, 46.9922, 13.7585

Rectangle

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



28.2292, 46.9922, 38.5929



30.5777, 46.9922, 91.5306



66.4902, 46.9922, 66.2115



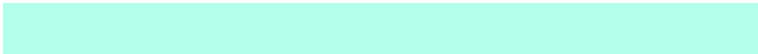
62.5245, 46.9922, 24.8525

Sweetspot

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



28.2305, 46.9940, 38.5940



69.3434, 87.0876, 92.3443



23.9013, 45.4457, 7.5129



14.2496, 18.3444, 19.3031



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.2305, 46.9940, 38.5940



45.1567, 75.2787, 61.4023



23.6112, 29.2013, 63.4256



12.0262, 13.3542, 14.4942



17.8250, 29.6229, 24.5225



1.0275, 1.6686, 1.5333

Inverse Universe

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



26.3537, 13.5146, 4.4714



42.1673, 21.6309, 6.8131



26.8032, 15.4060, 1.5616



11.9288, 11.8563, 12.9011



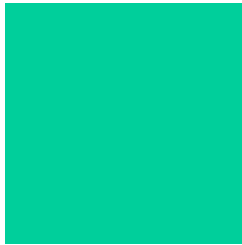
16.6354, 8.5270, 2.9863



0.9627, 0.4898, 0.3382

Previews

White Background



This preview shows how the XYZ color 28.2292, 46.9922, 38.5929 looks on a white background.

Color Contrast Check

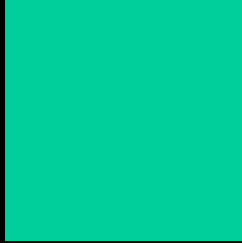
Large Text (above 18pt) WCAG AA × Fail

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 28.2292, 46.9922, 38.5929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

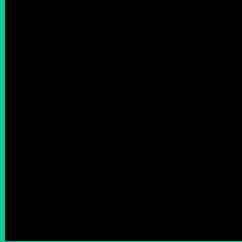
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

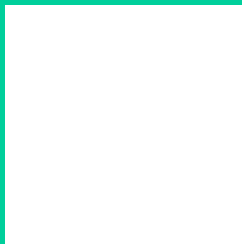
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.2292, 46.9922, 38.5929

Background



This preview shows how black text looks on a background with the XYZ color 28.2292, 46.9922, 38.5929.



This preview shows how white text looks on a background with the XYZ color 28.2292, 46.9922,

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

28.2292, 46.9922, 38.5929

Protanopia

43.3987, 46.3382, 32.2480

Deuteranopia

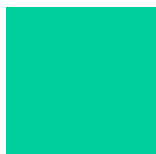
46.8345, 45.8599, 40.5658



Tritanopia

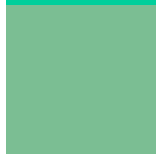
34.9359, 46.9114, 71.5035

Trichromacy



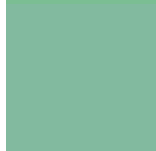
Original Color

28.2292, 46.9922, 38.5929



Protanomaly

31.8483, 43.1444, 34.2529



Deuteranomaly

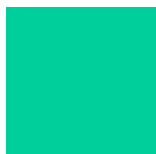
33.0228, 42.3668, 39.2380



Tritanomaly

31.7010, 46.5836, 57.7728

Monochromacy



Original Color

28.2292, 46.9922, 38.5929



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.4108, 30.6700, 31.5268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2292, 46.9922, 38.5929 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, 207, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 155)  
}
```

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, 207, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 155) }
```

Border

The CSS property to change the border of an element to XYZ 28.2292, 46.9922, 38.5929 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, 207, 155) }
```


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

```
.border{ border-color:rgb(0, 207, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2292, 46.9922, 38.5929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 155) }
```

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

```
.background{ background-color: rgb(0, 207,  
155) }
```

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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