

Converting Colors

XYZ(19.7800, 41.1988, 39.9697)

Have a look what the booklet for
XYZ(19.7800, 41.1988, 39.9697)
contains.

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Color

**XYZ(27.7011, 45.2499,
40.5318)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBA0
RGB	0, 203, 160
RGB Percent	0%, 80%, 63%
CMY	0.9999, 0.2039, 0.3725
CMYK	1.00, 0.00, 0.21, 0.20
HSL	167°, 100%, 40%
HSV	167°, 100%, 80%
XYZ	27.7011, 45.2499, 40.5318
YIQ	137.4010, -107.1850, -56.4090

Conversions

Conversions Part 2

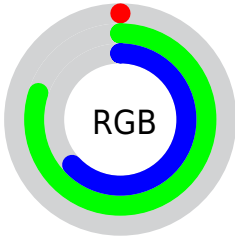
Format	Color
RYB	0, 114, 203
Decimal	52128
CIELab	73.06, -52.36, 9.67
CIELCh	73, 53.244, 169.532
Yxy	45.2499, 0.2441, 0.3987
Android (android.graphics.Color)	4278242208 (0xFF00CBA0)
YUV	137.4010, 11.1413, -120.5007
Hunter-Lab	67.2680, -44.2125, 11.3629

Details

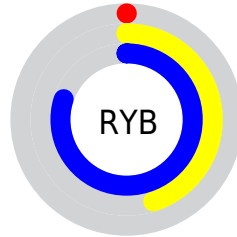
The XYZ color **27.7011, 45.2499, 40.5318** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.0664, 12.8722, 3.4519**, and the grayscale version is **23.9217, 25.1675, 27.4074**.

A 20% lighter version of the original color is **53.5052, 79.2511, 76.7669**, and **13.3502, 22.2839, 18.0656** is the 20% darker color. If you saturate the color by 10%, you get **27.7014, 45.2513, 40.5300**, and if you desaturate by 10%, it is **28.3801, 45.5568, 42.5629**.

Distribution



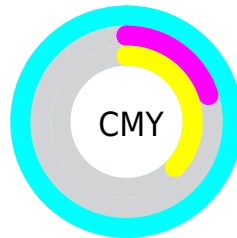
- Red (0%)
- Green (80%)
- Blue (63%)



- Red (0%)
- Yellow (45%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7011, 45.2499, 40.5318 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 27.7011, 45.2499, 40.5318 by changing the saturation by 10% instead.

■ 27.7011, 45.2499,
40.5318

■ 27.7011, 45.2499,
40.5318

283.1419,
367.7847, 363.9785

■ 18.2398, 31.6543,
27.6365

■ 55.4189, 83.0953,
77.2186

■ 11.2230, 21.0976,
17.8152

■ 74.4060, 108.1139,
101.8471

■ 6.2854, 13.1954,
10.6493

■ 97.2991, 137.7089,
131.2238

■ 3.0617, 7.5632,
5.7203

■ 124.4636,
172.2648, 165.7672

■ 1.1865, 3.8168,
2.6098

■ 156.2648,
212.1659, 205.8958

■ 0.0957, 1.5716,
0.8975

193.0680,

■ 0.0000, 0.3383,

257.7967, 252.0282

0.0000

235.2386,
309.5415, 304.5829

■ 0.0000, 0.0000,
0.0000

■ 27.7011, 45.2499,
40.5318

■ 27.7011, 45.2499,
40.5318

■ 27.7014, 45.2513,
40.5300

■ 28.3801, 45.5568,
42.5629

■ 29.3807, 46.0269,
44.6767

■ 30.8104, 46.7166,
46.8798

■ 32.7260, 47.6554,
49.1756

■ 35.1756, 48.8678,
51.5670

■ 38.2011, 50.3755,
54.0565

■ 41.8405, 52.1981,
56.6466

■ 46.1283, 54.3534,
59.3394

■ 51.0964, 56.8578,
62.1371

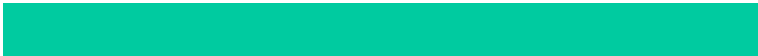
Harmonies

Analogous

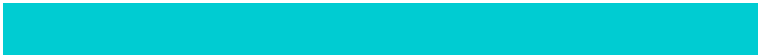
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.7795, 45.2499, 22.9291



27.7011, 45.2499, 40.5318



28.2507, 45.2499, 68.4695

Triad

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



27.7011, 45.2499, 40.5318



49.2740, 45.2499, 115.0812



55.7010, 45.2499, 19.6584

Complementary

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



27.7011, 45.2499, 40.5318



25.0664, 12.8722, 3.4519

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.



62.1765, 45.2499, 34.0429



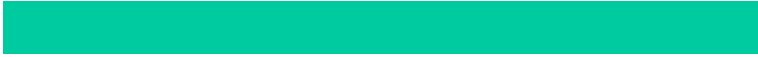
27.7011, 45.2499, 40.5318



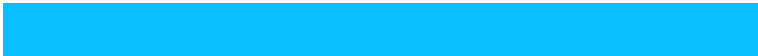
58.1113, 45.2499, 90.5831

Square

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



27.7011, 45.2499, 40.5318



39.8384, 45.2499, 118.8117



63.1171, 45.2499, 59.1804



46.3428, 45.2499, 14.1008

Rectangle

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



27.7011, 45.2499, 40.5318



30.6295, 45.2499, 89.6246



63.1171, 45.2499, 59.1804



58.3411, 45.2499, 23.3161

Sweetspot

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



27.7023, 45.2517, 40.5329



69.7845, 87.2640, 94.6667



22.3958, 43.2490, 7.1684



14.3558, 18.3869, 19.8622



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.



27.7023, 45.2517, 40.5329



46.2999, 75.7359, 67.4221



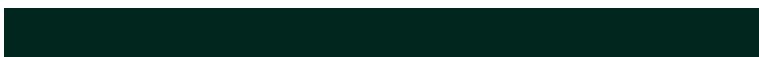
20.9813, 24.7142, 60.1663



11.4375, 12.6848, 13.8614



17.6628, 28.8104, 25.9732



0.9374, 1.4968, 1.4776

Inverse Universe

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



25.0664, 12.8722, 3.4519



41.9064, 21.5266, 5.4392



26.1195, 15.6768, 1.6501



11.3080, 11.2519, 12.1563



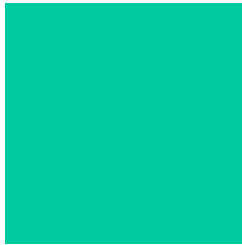
15.9786, 8.2020, 2.3401



0.8530, 0.4346, 0.2716

Previews

White Background



This preview shows how the XYZ color 27.7011, 45.2499, 40.5318 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 27.7011, 45.2499, 40.5318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

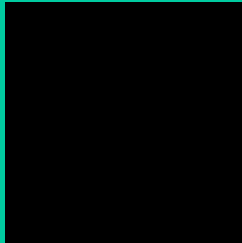
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

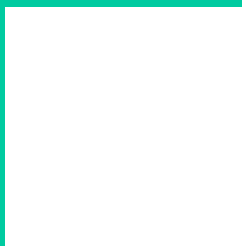
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7011, 45.2499, 40.5318

Background



This preview shows how black text looks on a background with the XYZ color 27.7011, 45.2499, 40.5318.

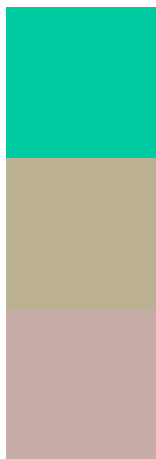


This preview shows how white text looks on a background with the XYZ color 27.7011, 45.2499,

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

27.7011, 45.2499, 40.5318

Protanopia

41.9259, 44.6387, 34.0102

Deuteranopia

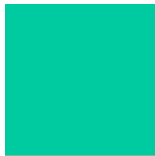
45.2808, 44.4372, 42.7499



Tritanopia

33.6102, 45.2575, 69.2515

Trichromacy



Original Color

27.7011, 45.2499, 40.5318



Protanomaly

31.1835, 41.8007, 36.1306



Deuteranomaly

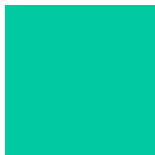
32.3867, 41.0593, 41.3402



Tritanomaly

30.8858, 45.1284, 57.5349

Monochromacy



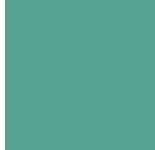
Original Color

27.7011, 45.2499, 40.5318



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.7862, 29.5603, 31.3455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7011, 45.2499, 40.5318 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, 203, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 160)  
}
```

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, 203, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 160) }
```

Border

The CSS property to change the border of an element to XYZ 27.7011, 45.2499, 40.5318 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, 203, 160) }
```


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

```
.border{ border-color:rgb(0, 203, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7011, 45.2499, 40.5318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 160) }
```

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

```
.background{ background-color: rgb(0, 203,  
160) }
```

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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