

Converting Colors

XYZ(6.1098, 21.1777, 28.1701)

Have a look what the booklet for
XYZ(6.1098, 21.1777, 28.1701)
contains.

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Color

**XYZ(17.2310, 27.0057,
28.7305)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00A08B |
| RGB | 0, 160, 139 |
| RGB Percent | 0%, 63%, 55% |
| CMY | 0.9999, 0.3725, 0.4549 |
| CMYK | 1.00, 0.00, 0.13, 0.37 |
| HSL | 172°, 100%, 31% |
| HSV | 172°, 100%, 63% |
| XYZ | 17.2310, 27.0057, 28.7305 |
| YIQ | 109.7660, -88.6190, -40.4510 |

Conversions

Conversions Part 2

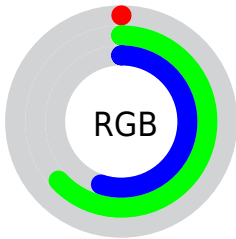
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 86, 160 |
| Decimal | 41099 |
| CIELab | 58.98, -40.20, 1.00 |
| CIElCh | 59, 40.217, 178.582 |
| Yxy | 27.0057, 0.2361, 0.3701 |
| Android (android.graphics.Color) | 4278231179 (0xFF00A08B) |
| YUV | 109.7660, 14.4124, -96.2648 |
| Hunter-Lab | 51.9670, -31.7560, 3.5978 |

Details

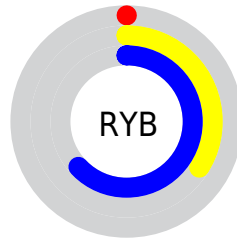
The XYZ color **17.2310, 27.0057, 28.7305** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.6335, 7.5285, 1.3924**, and the grayscale version is **14.7342, 15.5015, 16.8811**.

A 20% lighter version of the original color is **38.3847, 55.1417, 58.4895**, and **7.0609, 11.2367, 11.2479** is the 20% darker color. If you saturate the color by 10%, you get **17.2313, 27.0065, 28.7301**, and if you desaturate by 10%, it is **17.6005, 27.1789, 29.5573**.

Distribution



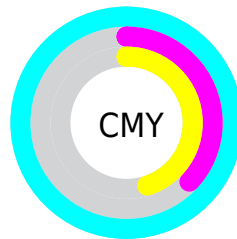
- Red (0%)
- Green (63%)
- Blue (55%)



- Red (0%)
- Yellow (34%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2310, 27.0057, 28.7305 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 17.2310, 27.0057, 28.7305 by changing the saturation by 10% instead.

■ 17.2310, 27.0057,
28.7305

■ 17.2310, 27.0057,
28.7305

■ 229.6304,
287.6847, 309.9623

■ 10.4956, 17.5775,
18.6332

■ 38.2630, 54.8930,
58.6857

■ 5.7936, 10.6471,
11.2314

■ 53.2903, 74.1209,
79.3807

■ 2.7594, 5.8301,
6.1066

■ 71.8123, 97.3842,
104.4453

■ 1.0279, 2.7420,
2.8402

■ 94.1944, 125.0672,
134.2982

■ 0.0000, 0.9986,
1.0136

■ 120.8019,
157.5544, 169.3578

■ 0.0000, 0.0000,
0.0000

■ 152.0002,

195.2301, 210.0426

188.1546,
238.4787, 256.7713

■ 17.2310, 27.0057,
28.7305

■ 17.2310, 27.0057,
28.7305

■ 17.2313, 27.0065,
28.7301

■ 17.6005, 27.1789,
29.5573

■ 18.1408, 27.4392,
30.4070

■ 18.9253, 27.8250,
31.2837

■ 19.9851, 28.3524,
32.1890

■ 21.3463, 29.0349,
33.1240

■ 23.0324, 29.8845,
34.0901

■ 25.0641, 30.9119,
35.0883

■ 27.4607, 32.1270,
36.1195

■ 30.2400, 33.5391,
37.1846

Harmonies

Analogous

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



18.3284, 27.0057, 17.2935



17.2310, 27.0057, 28.7305



18.1395, 27.0057, 44.5845

Triad

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



17.2310, 27.0057, 28.7305



30.5307, 27.0057, 60.6863



30.9942, 27.0057, 11.6525

Complementary

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



17.2310, 27.0057, 28.7305



14.6335, 7.5285, 1.3924

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.



35.0357, 27.0057, 18.1327



17.2310, 27.0057, 28.7305



34.7446, 27.0057, 46.1556

Square

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



17.2310, 27.0057, 28.7305



25.4316, 27.0057, 66.2559



36.4886, 27.0057, 30.0892



25.9060, 27.0057, 9.6177

Rectangle

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



17.2310, 27.0057, 28.7305



19.8364, 27.0057, 55.1584



36.4886, 27.0057, 30.0892



32.5435, 27.0057, 13.2528

Sweetspot

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



17.2318, 27.0067, 28.7311



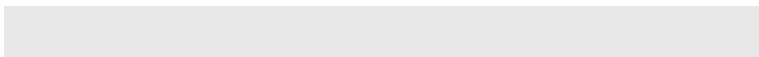
45.2717, 56.0057, 63.5994



12.8881, 25.3058, 4.2058



9.5959, 12.1145, 13.7902



76.7382, 80.7346, 87.9200



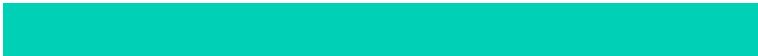
13.3056, 13.9985, 15.2444

Same Dimension

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



17.2318, 27.0067, 28.7311



31.2325, 49.0130, 51.8814



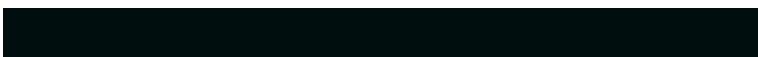
11.0326, 11.9122, 34.9767



6.7844, 7.4945, 8.2990



13.4340, 21.0415, 22.4402



0.2496, 0.3800, 0.4509

Inverse Universe

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



14.6335, 7.5285, 1.3924



26.5259, 13.6511, 2.3012



16.0454, 10.5690, 1.1949



6.6668, 6.6596, 7.0962



11.4085, 5.8680, 1.1361



0.2129, 0.1085, 0.0674

Previews

White Background



This preview shows how the XYZ color 17.2310, 27.0057, 28.7305 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2310, 27.0057, 28.7305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

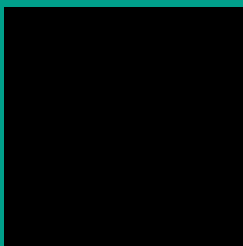
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

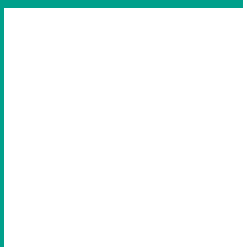
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.2310, 27.0057, 28.7305

Background



This preview shows how black text looks on a background with the XYZ color 17.2310, 27.0057, 28.7305.

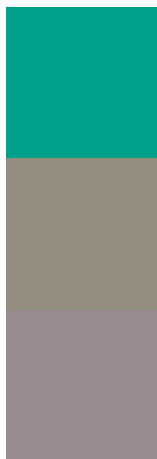


This preview shows how white text looks on a background with the XYZ color 17.2310, 27.0057,

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

17.2310, 27.0057, 28.7305

Protanopia

25.4538, 26.8113, 24.2556

Deuteranopia

27.1166, 26.6772, 30.1056



Tritanopia

19.9526, 27.1177, 41.2284

Trichromacy



Original Color

17.2310, 27.0057, 28.7305

Protanomaly

19.3709, 25.2254, 25.6778

Deuteranomaly

19.9376, 24.7452, 29.3167

Tritanomaly

18.5948, 26.7813, 36.0875

Monochromacy



Original Color

17.2310, 27.0057, 28.7305

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.6961, 18.1209, 20.8650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2310, 27.0057, 28.7305 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, 160, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 139)  
}
```

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, 160, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 139) }
```

Border

The CSS property to change the border of an element to XYZ 17.2310, 27.0057, 28.7305 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, 160, 139) }
```


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

```
.border{ border-color:rgb(0, 160, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2310, 27.0057, 28.7305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 139) }
```

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

```
.background{ background-color: rgb(0, 160,  
139) }
```

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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