

Converting Colors

XYZ(17.2411, 27.8984, 25.4227)

Have a look what the booklet for
XYZ(17.2411, 27.8984, 25.4227)
contains.

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Color

**XYZ(17.2516, 27.8706,
25.5894)**

Conversions

Conversions Part 1

Format	Color
Hex	0AA382
RGB	10, 163, 130
RGB Percent	4%, 64%, 51%
CMY	0.9607, 0.3608, 0.4902
CMYK	0.94, 0.00, 0.20, 0.36
HSL	167°, 88%, 34%
HSV	167°, 94%, 64%
XYZ	17.2516, 27.8706, 25.5894
YIQ	113.4910, -80.5950, -42.6990

Conversions

Conversions Part 2

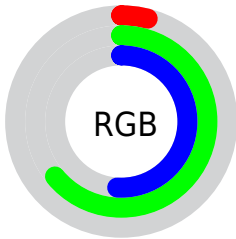
Format	Color
RYB	10, 96, 163
Decimal	697218
CIELab	59.77, -43.51, 7.22
CIElCh	60, 44.101, 170.580
Yxy	27.8706, 0.2440, 0.3941
Android (android.graphics.Color)	4278887298 (0xFF0AA382)
YUV	113.4910, 8.1389, -90.7616
Hunter-Lab	52.7926, -34.0567, 8.2160

Details

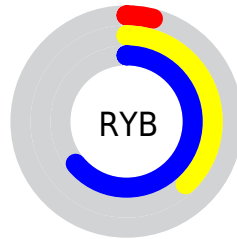
The XYZ color **17.2516, 27.8706, 25.5894** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.6498, 8.1787, 3.0409**, and the grayscale version is **15.8374, 16.6622, 18.1451**.

A 20% lighter version of the original color is **38.3930, 56.4091, 53.6643**, and **7.0611, 11.7459, 9.6796** is the 20% darker color. If you saturate the color by 10%, you get **16.9835, 27.7496, 24.8284**, and if you desaturate by 10%, it is **17.8012, 28.1269, 26.8690**.

Distribution



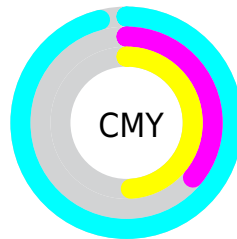
- Red (4%)
- Green (64%)
- Blue (51%)



- Red (4%)
- Yellow (38%)
- Blue (64%)



- Cyan (94%)
- Magenta (0%)
- Yellow (20%)
- Black (36%)



- Cyan (96%)
- Magenta (36%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2516, 27.8706, 25.5894 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 17.2516, 27.8706, 25.5894 by changing the saturation by 10% instead.

■ 17.2516, 27.8706,
25.5894

■ 17.2516, 27.8706,
25.5894

■ 229.7462,
291.8481, 294.3017

■ 10.5105, 18.2281,
16.2937

■ 38.2980, 56.2778,
53.5877

■ 5.8035, 11.1139,
9.5756

■ 53.3340, 75.8113,
73.1275

■ 2.7655, 6.1435,
5.0166

■ 71.8657, 99.4106,
96.9189

■ 1.0310, 2.9325,
2.1981

■ 94.2583, 127.4601,
125.3807

■ 0.0000, 1.0966,
0.6733

■ 120.8774,
160.3442, 158.9313

■ 0.0000, 0.0000,
0.0000

■ 152.0881,

198.4473, 197.9894

188.2559,
242.1538, 242.9733

■ 17.2516, 27.8706,
25.5894

■ 17.2516, 27.8706,
25.5894

■ 16.9835, 27.7496,
24.8284

■ 17.8012, 28.1269,
26.8690

■ 18.5956, 28.5077,
28.2020

■ 19.6706, 29.0323,
29.5911

■ 21.0553, 29.7155,
31.0379

■ 22.7754, 30.5707,
32.5442

■ 24.8536, 31.6095,
34.1113

■ 27.3107, 32.8427,
35.7407

■ 30.1661, 34.2802,
37.4335

■ 33.4374, 35.9311,
39.1911

Harmonies

Analogous

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



19.0351, 27.8706, 14.7158



17.2516, 27.8706, 25.5894



17.6606, 27.8706, 42.4820

Triad

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



17.2516, 27.8706, 25.5894



30.4442, 27.8706, 69.1674



33.9051, 27.8706, 12.2582

Complementary

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



17.2516, 27.8706, 25.5894



15.6498, 8.1787, 3.0409

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.



37.8596, 27.8706, 20.7745



17.2516, 27.8706, 25.5894



35.6747, 27.8706, 54.3431

Square

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



17.2516, 27.8706, 25.5894



24.7725, 27.8706, 71.8814



38.5490, 27.8706, 35.6591



28.2855, 27.8706, 9.0042

Rectangle

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



17.2516, 27.8706, 25.5894



19.1474, 27.8706, 55.0496



38.5490, 27.8706, 35.6591



35.5045, 27.8706, 14.4233

Sweetspot

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



17.2524, 27.8717, 25.5901



46.7710, 57.7424, 62.6319



14.1556, 26.7344, 4.7018



10.1076, 12.7696, 13.7980



78.6606, 82.7571, 90.1225



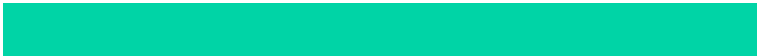
14.0027, 14.7319, 16.0430

Same Dimension

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



17.2524, 27.8717, 25.5901



30.3385, 49.6651, 44.0612



13.4116, 16.0594, 37.0445



7.2104, 7.9850, 8.7196



13.2160, 21.5728, 19.3859



0.2931, 0.4595, 0.4887

Inverse Universe

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



15.6498, 8.1787, 3.0409



27.5370, 14.1396, 3.8272



16.4493, 10.3880, 1.4257



7.1334, 7.1098, 7.6890



11.9908, 6.1524, 1.8764



0.2678, 0.1356, 0.1226

Previews

White Background



This preview shows how the XYZ color 17.2516, 27.8706, 25.5894 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 17.2516, 27.8706, 25.5894 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 17.2516, 27.8706, 25.5894

Background



This preview shows how black text looks on a background with the XYZ color 17.2516, 27.8706, 25.5894.

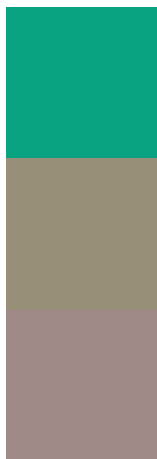


This preview shows how white text looks on a background with the XYZ color 17.2516, 27.8706,

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

17.2516, 27.8706, 25.5894

Protanopia

25.9751, 27.5803, 21.7238

Deuteranopia

27.9589, 27.3998, 26.7368



Tritanopia

20.7980, 28.0341, 42.3452

Trichromacy



Original Color

17.2516, 27.8706, 25.5894



Protanomaly

19.8000, 25.9773, 23.0393



Deuteranomaly

20.4931, 25.5641, 26.0446



Tritanomaly

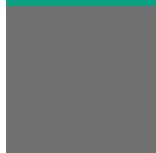
19.1803, 27.8655, 35.3780

Monochromacy



Original Color

17.2516, 27.8706, 25.5894



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

14.4266, 19.1010, 20.3793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2516, 27.8706, 25.5894 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(10, 163, 130)` looks like.

```
.text, #text, p{  
    color:rgb(10, 163, 130)  
}
```

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(10, 163, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 163, 130) }
```

Border

The CSS property to change the border of an element to XYZ 17.2516, 27.8706, 25.5894 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(10, 163, 130) }
```


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

```
.border{ border-color:rgb(10, 163, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 163, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 163, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 163, 130);  
box-shadow:4px 4px 4px 4px rgb(10, 163,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2516, 27.8706, 25.5894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 163, 130) }
```

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

```
.background{ background-color: rgb(10, 163,  
130) }
```

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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