

Converting Colors

XYZ(11.8486, 25.7154, 23.8586)

Have a look what the booklet for
XYZ(11.8486, 25.7154, 23.8586)
contains.

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Color

**XYZ(17.1568, 28.3909,
23.9778)**

Conversions

Conversions Part 1

Format	Color
Hex	00A57D
RGB	0, 165, 125
RGB Percent	0%, 65%, 49%
CMY	0.9999, 0.3529, 0.5098
CMYK	1.00, 0.00, 0.24, 0.35
HSL	165°, 100%, 32%
HSV	165°, 100%, 65%
XYZ	17.1568, 28.3909, 23.9778
YIQ	111.1050, -85.5000, -47.4200

Conversions

Conversions Part 2

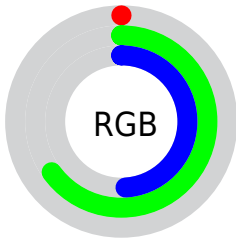
Format	Color
RYB	0, 94, 165
Decimal	42365
CIELab	60.24, -46.05, 10.67
CIELCh	60, 47.266, 166.950
Yxy	28.3909, 0.2468, 0.4084
Android (android.graphics.Color)	4278232445 (0xFF00A57D)
YUV	111.1050, 6.8502, -97.4391
Hunter-Lab	53.2831, -35.7697, 10.6172

Details

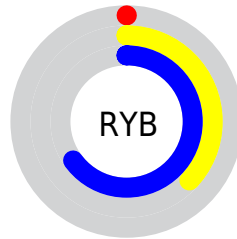
The XYZ color **17.1568, 28.3909, 23.9778** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.9011, 8.1533, 2.7447**, and the grayscale version is **15.1402, 15.9286, 17.3463**.

A 20% lighter version of the original color is **38.2067, 57.1514, 51.1371**, and **7.0987, 12.1101, 8.8008** is the 20% darker color. If you saturate the color by 10%, you get **17.1571, 28.3918, 23.9771**, and if you desaturate by 10%, it is **17.6408, 28.6110, 25.3623**.

Distribution



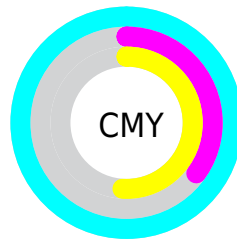
- Red (0%)
- Green (65%)
- Blue (49%)



- Red (0%)
- Yellow (37%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.1568, 28.3909, 23.9778 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 17.1568, 28.3909, 23.9778 by changing the saturation by 10% instead.


 17.1568, 28.3909,
23.9778


 17.1568, 28.3909,
23.9778


229.2130,
294.3301, 285.9912


 10.4423, 18.6205,
15.1051


 38.1366, 57.1079,
50.9373


 5.7577, 11.3964,
8.7457


 53.1327, 76.8234,
69.8613


 2.7376, 6.3341,
4.4812


 71.6201, 100.6227,
92.9727

 1.0166, 3.0493,
1.8929

 93.9640, 128.8901,
120.6902

 0.0000, 1.1575,
0.4882

 120.5299,
162.0102, 153.4322

 0.0000, 0.0266,
0.0000

 151.6832,

 0.0000, 0.0000,

200.3673, 191.6174

0.0000

187.7891,
244.3458, 235.6642

■ 17.1568, 28.3909,
23.9778

■ 17.1568, 28.3909,
23.9778

■ 17.1571, 28.3918,
23.9771

■ 17.6408, 28.6110,
25.3623

■ 18.3172, 28.9283,
26.8095

■ 19.2629, 29.3833,
28.3244

■ 20.5115, 29.9932,
29.9089

■ 22.0916, 30.7728,
31.5651

■ 24.0283, 31.7349,
33.2947

■ 26.3444, 32.8913,
35.0994

■ 29.0605, 34.2527,
36.9806

■ 32.1960, 35.8290,
38.9398

Harmonies

Analogous

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



19.3390, 28.3909, 13.2795



17.1568, 28.3909, 23.9778



17.3089, 28.3909, 41.6893

Triad

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



17.1568, 28.3909, 23.9778



30.5236, 28.3909, 75.0407



35.7391, 28.3909, 12.3868

Complementary

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



17.1568, 28.3909, 23.9778



15.9011, 8.1533, 2.7447

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.



39.7253, 28.3909, 22.1747



17.1568, 28.3909, 23.9778



36.4191, 28.3909, 59.7216

Square

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



17.1568, 28.3909, 23.9778



24.4399, 28.3909, 76.1065



39.9913, 28.3909, 39.0707



29.7002, 28.3909, 8.4780

Rectangle

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



17.1568, 28.3909, 23.9778



18.7081, 28.3909, 55.6030



39.9913, 28.3909, 39.0707



37.4005, 28.3909, 14.8882

Sweetspot

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



17.1576, 28.3920, 23.9785



46.9286, 58.7787, 62.6739



14.3807, 27.3881, 4.5290



9.8831, 12.6620, 13.4171



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.



17.1576, 28.3920, 23.9785



30.6426, 50.8126, 42.4998



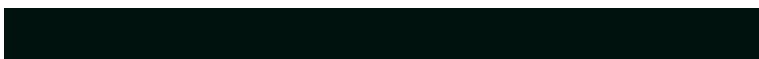
13.9691, 17.0710, 38.1573



7.2024, 7.9818, 8.6773



12.9994, 21.4861, 18.2453



0.2899, 0.4582, 0.4718

Inverse Universe

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



15.9011, 8.1533, 2.7447



28.4083, 14.5736, 4.5566



16.3197, 9.6038, 0.9940



7.1409, 7.1128, 7.7285



12.0458, 6.1744, 2.1658



0.2704, 0.1366, 0.1364

Previews

White Background



This preview shows how the XYZ color 17.1568, 28.3909, 23.9778 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 17.1568, 28.3909, 23.9778 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 17.1568, 28.3909, 23.9778

Background



This preview shows how black text looks on a background with the XYZ color 17.1568, 28.3909, 23.9778.



This preview shows how white text looks on a background with the XYZ color 17.1568, 28.3909,

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

17.1568, 28.3909, 23.9778

Protanopia

26.2046, 27.9566, 20.2347

Deuteranopia

28.4336, 27.8905, 25.3575



Tritanopia

21.2607, 28.5049, 43.4112

Trichromacy



Original Color

17.1568, 28.3909, 23.9778



Protanomaly

19.4878, 26.3298, 21.5078



Deuteranomaly

20.2613, 25.7078, 24.6631



Tritanomaly

19.2885, 28.1796, 35.4330

Monochromacy



Original Color

17.1568, 28.3909, 23.9778



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.8672, 18.8331, 19.4273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1568, 28.3909, 23.9778 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, 165, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 125)  
}
```

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, 165, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 125) }
```

Border

The CSS property to change the border of an element to XYZ 17.1568, 28.3909, 23.9778 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, 165, 125) }
```


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

```
.border{ border-color:rgb(0, 165, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1568, 28.3909, 23.9778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 125) }
```

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

```
.background{ background-color: rgb(0, 165,  
125) }
```

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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