

Converting Colors

XYZ(17.2270, 28.7177, 23.4264)

Have a look what the booklet for
XYZ(17.2270, 28.7177, 23.4264)
contains.

XYZ(17.2114, 28.7025, 23.3719)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.2114, 28.7025,
23.3719)**

Conversions

Conversions Part 1

Format	Color
Hex	00A67B
RGB	0, 166, 123
RGB Percent	0%, 65%, 48%
CMY	0.9999, 0.3490, 0.5176
CMYK	1.00, 0.00, 0.26, 0.35
HSL	164°, 100%, 33%
HSV	164°, 100%, 65%
XYZ	17.2114, 28.7025, 23.3719
YIQ	111.4640, -85.1330, -48.5650

Conversions

Conversions Part 2

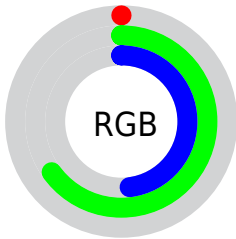
Format	Color
RYB	0, 95, 166
Decimal	42619
CIELab	60.52, -46.94, 12.18
CIELCh	61, 48.498, 165.457
Yxy	28.7025, 0.2484, 0.4143
Android (android.graphics.Color)	4278232699 (0xFF00A67B)
YUV	111.4640, 5.6872, -97.7539
Hunter-Lab	53.5747, -36.4109, 11.6371

Details

The XYZ color **17.2114, 28.7025, 23.3719** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.1630, 8.2822, 3.0341**, and the grayscale version is **15.2480, 16.0421, 17.4698**.

A 20% lighter version of the original color is **38.2721, 57.6013, 50.1753**, and **7.1412, 12.3047, 8.4772** is the 20% darker color. If you saturate the color by 10%, you get **17.2117, 28.7034, 23.3710**, and if you desaturate by 10%, it is **17.7116, 28.9293, 24.8325**.

Distribution



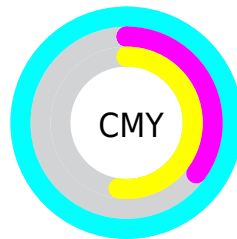
- Red (0%)
- Green (65%)
- Blue (48%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2114, 28.7025, 23.3719 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 17.2114, 28.7025, 23.3719 by changing the saturation by 10% instead.


 17.2114, 28.7025,
23.3719


 17.2114, 28.7025,
23.3719


229.5203,
295.8087, 282.8130


 10.4816, 18.8559,
14.6605


 38.2296, 57.6041,
49.9342


 5.7841, 11.5662,
8.4375


 53.2487, 77.4278,
68.6221


 2.7537, 6.4490,
4.2844


 71.7616, 101.3461,
91.4726

 1.0249, 3.1200,
1.7826

 94.1336, 129.7432,
118.9043

 0.0000, 1.1947,
0.4164

 120.7301,
163.0037, 151.3356

 0.0000, 0.0574,
0.0000

 151.9165,

 0.0000, 0.0000,

201.5118, 189.1852

0.0000

188.0581,
245.6520, 232.8714

■ 17.2114, 28.7025,
23.3719

■ 17.2114, 28.7025,
23.3719

■ 17.2117, 28.7034,
23.3710

■ 17.7116, 28.9293,
24.8325

■ 18.4086, 29.2554,
26.3642

■ 19.3802, 29.7217,
27.9720

■ 20.6605, 30.3457,
29.6582

■ 22.2784, 31.1424,
31.4250

■ 24.2595, 32.1248,
33.2743

■ 26.6269, 33.3049,
35.2078

■ 29.4018, 34.6936,
37.2273

■ 32.6035, 36.3008,
39.3343

Harmonies

Analogous

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



19.5712, 28.7025, 12.7745



17.2114, 28.7025, 23.3719



17.2480, 28.7025, 41.3670

Triad

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



17.2114, 28.7025, 23.3719



30.6155, 28.7025, 77.6311



36.6229, 28.7025, 12.5616

Complementary

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



17.2114, 28.7025, 23.3719



16.1630, 8.2822, 3.0341

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.



40.6015, 28.7025, 22.9371



17.2114, 28.7025, 23.3719



36.7884, 28.7025, 62.1975

Square

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



17.2114, 28.7025, 23.3719



24.3692, 28.7025, 77.8924



40.6663, 28.7025, 40.7302



30.4157, 28.7025, 8.3538

Rectangle

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



17.2114, 28.7025, 23.3719



18.6055, 28.7025, 55.8119



40.6663, 28.7025, 40.7302



38.3045, 28.7025, 15.2194

Sweetspot

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



17.2122, 28.7036, 23.3726



48.0601, 60.3115, 63.6931



14.6876, 27.8152, 4.5953



10.3492, 13.2941, 13.9314



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.2122, 28.7036, 23.3726



31.1460, 52.0559, 41.9385



14.5081, 18.0027, 38.7879



7.6633, 8.4984, 9.2131



13.3661, 22.2652, 18.2265



0.3443, 0.5494, 0.5441

Inverse Universe

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



16.1630, 8.2822, 3.0341



29.2586, 15.0005, 5.1143



16.4438, 9.5419, 0.9756



7.6079, 7.5730, 8.2525



12.5496, 6.4286, 2.4400



0.3257, 0.1645, 0.1664

Previews

White Background



This preview shows how the XYZ color 17.2114, 28.7025, 23.3719 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 17.2114, 28.7025, 23.3719 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 17.2114, 28.7025, 23.3719

Background



This preview shows how black text looks on a background with the XYZ color 17.2114, 28.7025, 23.3719.



This preview shows how white text looks on a background with the XYZ color 17.2114, 28.7025,

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

17.2114, 28.7025, 23.3719

Protanopia

26.6236, 28.4116, 19.7036

Deuteranopia

28.8576, 28.3405, 24.7182



Tritanopia

21.5385, 28.9044, 43.4736

Trichromacy



Original Color

17.2114, 28.7025, 23.3719



Protanomaly

19.7477, 26.7195, 20.9462



Deuteranomaly

20.4039, 26.0305, 24.0277



Tritanomaly

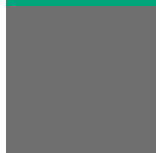
19.4128, 28.5138, 35.0524

Monochromacy



Original Color

17.2114, 28.7025, 23.3719



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

13.8093, 18.8100, 19.1225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2114, 28.7025, 23.3719 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, 166, 123)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 123)  
}
```

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, 166, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 123) }
```

Border

The CSS property to change the border of an element to XYZ 17.2114, 28.7025, 23.3719 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, 166, 123) }
```


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

```
.border{ border-color:rgb(0, 166, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 17.2114, 28.7025, 23.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 123) }
```

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

```
.background{ background-color: rgb(0, 166,  
123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor