

Converting Colors

XYZ(11.8378, 25.8624, 23.9897)

Have a look what the booklet for
XYZ(11.8378, 25.8624, 23.9897)
contains.

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Color

**XYZ(17.4021, 28.7788,
24.3763)**

Conversions

Conversions Part 1

Format	Color
Hex	00A67E
RGB	0, 166, 126
RGB Percent	0%, 65%, 49%
CMY	0.9999, 0.3490, 0.5059
CMYK	1.00, 0.00, 0.24, 0.35
HSL	166°, 100%, 33%
HSV	166°, 100%, 65%
XYZ	17.4021, 28.7788, 24.3763
YIQ	111.8060, -86.0960, -47.6320

Conversions

Conversions Part 2

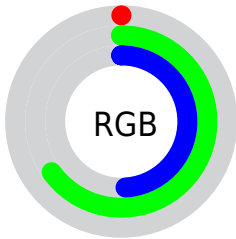
Format	Color
RYB	0, 94, 166
Decimal	42622
CIELab	60.59, -46.19, 10.60
CIELCh	61, 47.396, 167.072
Yxy	28.7788, 0.2466, 0.4079
Android (android.graphics.Color)	4278232702 (0xFF00A67E)
YUV	111.8060, 6.9976, -98.0539
Hunter-Lab	53.6459, -35.9770, 10.6112

Details

The XYZ color **17.4021, 28.7788, 24.3763** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **16.1099, 8.2609, 2.7544**, and the grayscale version is **15.3441, 16.1432, 17.5800**.

A 20% lighter version of the original color is **38.5723, 57.7214, 51.7562**, and **7.2447, 12.3461, 9.0224** is the 20% darker color. If you saturate the color by 10%, you get **17.4025, 28.7797, 24.3758**, and if you desaturate by 10%, it is **17.8904, 29.0008, 25.7745**.

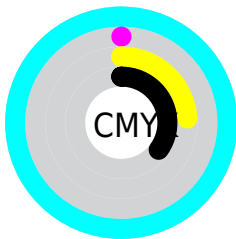
Distribution



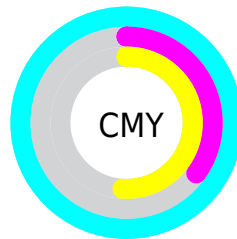
- Red (0%)
- Green (65%)
- Blue (49%)



- 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 17.4021, 28.7788, 24.3763 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 17.4021, 28.7788, 24.3763 by changing the saturation by 10% instead.


 17.4021, 28.7788,
24.3763


 17.4021, 28.7788,
24.3763


230.5904,
296.1698, 288.0650


 10.6187, 18.9136,
15.3982


 38.5540, 57.7255,
51.5951


 5.8764, 11.6078,
8.9496


 53.6531, 77.5757,
70.6729


 2.8100, 6.4772,
4.6120


 72.2549, 101.5230,
93.9543

 1.0541, 3.1374,
1.9667

 94.7246, 129.9518,
121.8579

 0.0000, 1.2039,
0.5347

 121.4277,
163.2464, 154.8022

 0.0000, 0.0649,
0.0000

 152.7294,

 0.0000, 0.0000,

201.7914, 193.2058

0.0000

188.9952,
245.9711, 237.4873

■ 17.4021, 28.7788,
24.3763

■ 17.4021, 28.7788,
24.3763

■ 17.4025, 28.7797,
24.3758

■ 17.8904, 29.0008,
25.7745

■ 18.5741, 29.3216,
27.2358

■ 19.5307, 29.7819,
28.7649

■ 20.7943, 30.3993,
30.3642

■ 22.3940, 31.1886,
32.0354

■ 24.3553, 32.1631,
33.7804

■ 26.7012, 33.3346,
35.6009

■ 29.4527, 34.7139,
37.4983

■ 32.6295, 36.3112,
39.4741

Harmonies

Analogous

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



19.6017, 28.7788, 13.5144



17.4021, 28.7788, 24.3763



17.5657, 28.7788, 42.3218

Triad

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



17.4021, 28.7788, 24.3763



30.9601, 28.7788, 75.9244



36.1880, 28.7788, 12.5531

Complementary

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



17.4021, 28.7788, 24.3763



16.1099, 8.2609, 2.7544

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.



40.2326, 28.7788, 22.4364



17.4021, 28.7788, 24.3763



36.9190, 28.7788, 60.3923

Square

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



17.4021, 28.7788, 24.3763



24.8013, 28.7788, 77.0695



40.5185, 28.7788, 39.5065



30.0748, 28.7788, 8.6117

Rectangle

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



17.4021, 28.7788, 24.3763



18.9887, 28.7788, 56.3947



40.5185, 28.7788, 39.5065



37.8719, 28.7788, 15.0783

Sweetspot

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



17.4029, 28.7799, 24.3770



48.1979, 60.3666, 64.4191



14.5718, 27.7555, 4.5898



10.3836, 13.3079, 14.1128



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.



17.4029, 28.7799, 24.3770



31.4960, 52.1959, 43.7813



14.1546, 17.2958, 38.6701



7.6691, 8.5007, 9.2436



13.5132, 22.3240, 19.0013



0.3470, 0.5504, 0.5582

Inverse Universe

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



16.1099, 8.2609, 2.7544



29.1661, 14.9635, 4.6276



16.5373, 9.7288, 1.0067



7.6025, 7.5709, 8.2239



12.5077, 6.4118, 2.2189



0.3236, 0.1637, 0.1557

Previews

White Background



This preview shows how the XYZ color 17.4021, 28.7788, 24.3763 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 17.4021, 28.7788, 24.3763 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

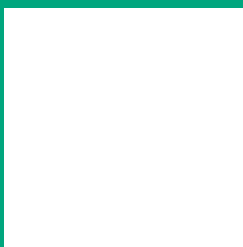
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.4021, 28.7788, 24.3763

Background



This preview shows how black text looks on a background with the XYZ color 17.4021, 28.7788, 24.3763.



This preview shows how white text looks on a background with the XYZ color 17.4021, 28.7788,

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

17.4021, 28.7788, 24.3763

Protanopia

26.6042, 28.3818, 20.5990

Deuteranopia

28.8528, 28.3146, 25.7744



Tritanopia

21.5818, 28.9156, 43.9790

Trichromacy



Original Color

17.4021, 28.7788, 24.3763

Protanomaly

19.8184, 26.7352, 21.8852

Deuteranomaly

20.4856, 26.0497, 25.0675

Tritanomaly

19.5808, 28.5810, 35.9372

Monochromacy



Original Color

17.4021, 28.7788, 24.3763

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.0607, 19.1265, 19.7803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4021, 28.7788, 24.3763 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 126) }
```

Border

The CSS property to change the border of an element to XYZ 17.4021, 28.7788, 24.3763 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, 126) }
```


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

```
.border{ border-color:rgb(0, 166, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4021, 28.7788, 24.3763 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, 126) }
```

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

```
.background{ background-color: rgb(0, 166,  
126) }
```

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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