

Converting Colors

XYZ(2.7782, 12.0920, 26.2454)

Have a look what the booklet for
XYZ(2.7782, 12.0920, 26.2454)
contains.

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Color

**XYZ(12.1768, 17.0137,
26.6869)**

Conversions

Conversions Part 1

Format	Color
Hex	007F8A
RGB	0, 127, 138
RGB Percent	0%, 50%, 54%
CMY	0.9999, 0.5020, 0.4588
CMYK	1.00, 0.08, 0.00, 0.46
HSL	185°, 100%, 27%
HSV	185°, 100%, 54%
XYZ	12.1768, 17.0137, 26.6869
YIQ	90.2810, -79.2230, -23.5030

Conversions

Conversions Part 2

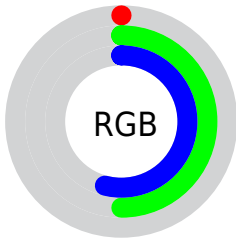
Format	Color
RYB	0, 66, 138
Decimal	32650
CIELab	48.28, -25.00, -14.34
CIELCh	48, 28.820, 209.840
Yxy	17.0137, 0.2179, 0.3045
Android (android.graphics.Color)	4278222730 (0xFF007F8A)
YUV	90.2810, 23.5255, -79.1764
Hunter-Lab	41.2477, -19.4881, -9.4868

Details

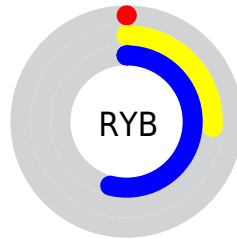
The XYZ color **12.1768, 17.0137, 26.6869** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.6013, 5.6431, 0.5310**, and the grayscale version is **9.7443, 10.2518, 11.1642**.

A 20% lighter version of the original color is **29.3814, 38.2889, 55.1322**, and **4.4153, 6.0123, 10.1603** is the 20% darker color. If you saturate the color by 10%, you get **12.1769, 17.0138, 26.6872**, and if you desaturate by 10%, it is **12.4983, 17.3918, 26.7433**.

Distribution



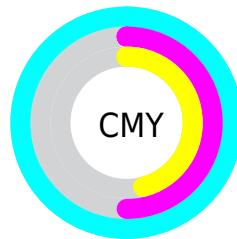
- Red (0%)
- Green (50%)
- Blue (54%)



- Red (0%)
- Yellow (26%)
- Blue (54%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (46%)



- Cyan (100%)
- Magenta (50%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1768, 17.0137, 26.6869 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 12.1768, 17.0137, 26.6869 by changing the saturation by 10% instead.

■ 12.1768, 17.0137,
26.6869

■ 12.1768, 17.0137,
26.6869

■ 199.3184,
235.2513, 299.8500

■ 6.9373, 10.2443,
17.1079

■ 29.4308, 38.3493,
55.3786

■ 3.4689, 5.5612,
10.1487

■ 42.1759, 53.6843,
75.3284

■ 1.4063, 2.5802,
5.3907

■ 58.1536, 72.6433,
99.5722

■ 0.2607, 0.9167,
2.4156

■ 77.7293, 95.6106,
128.5285

■ 0.0000, 0.0000,
0.7949

■ 101.2682,
122.9706, 162.6159

■ 0.0000, 0.0000,
0.0000

■ 129.1358,

155.1078, 202.2530

161.6974,
192.4066, 247.8581

■ 12.1768, 17.0137,
26.6869

■ 12.1768, 17.0137,
26.6869

■ 12.1769, 17.0138,
26.6872

■ 12.4983, 17.3918,
26.7433

■ 12.9329, 17.8303,
26.8050

■ 13.5416, 18.3608,
26.8753

■ 14.3455, 18.9942,
26.9552

■ 15.3627, 19.7399,
27.0455

■ 16.6091, 20.6062,
27.1470

■ 18.0993, 21.6005,
27.2604

■ 19.8466, 22.7297,
27.3863

■ 21.8633, 24.0000,
27.5252

Harmonies

Analogous

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



11.6314, 17.0137, 18.4847



12.1768, 17.0137, 26.6869



13.7658, 17.0137, 34.0412

Triad

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



12.1768, 17.0137, 26.6869



20.9384, 17.0137, 26.7761



16.1851, 17.0137, 7.5053

Complementary

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



12.1768, 17.0137, 26.6869



10.6013, 5.6431, 0.5310

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.



18.8412, 17.0137, 8.6282



12.1768, 17.0137, 26.6869



21.7605, 17.0137, 18.5654

Square

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



12.1768, 17.0137, 26.6869



18.8142, 17.0137, 34.1017



20.9551, 17.0137, 12.2242



13.7878, 17.0137, 8.6040

Rectangle

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



12.1768, 17.0137, 26.6869



15.2971, 17.0137, 36.7029



20.9551, 17.0137, 12.2242



17.0776, 17.0137, 7.6300

Sweetspot

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



12.1773, 17.0143, 26.6873



31.7171, 37.9523, 48.0370



9.1393, 18.1975, 3.2955



6.8909, 8.3650, 10.7577



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.1773, 17.0143, 26.6873



21.4102, 29.8825, 47.0226



6.1937, 5.0471, 24.6928



5.1393, 5.6216, 6.4200



11.1693, 15.6088, 24.4698



0.0789, 0.1131, 0.1641

Inverse Universe

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



14.3124, 6.9361, 20.6637



25.2004, 12.2144, 36.2799



13.2207, 10.8819, 1.4042



5.2169, 5.1222, 6.2309



13.1245, 6.3599, 18.9579



0.0896, 0.0432, 0.1384

Previews

White Background



This preview shows how the XYZ color 12.1768, 17.0137, 26.6869 looks on a white 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

Black Background



This preview shows how the XYZ color 12.1768, 17.0137, 26.6869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

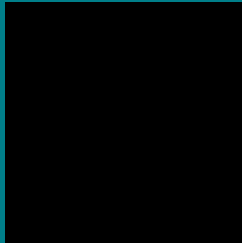
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1768, 17.0137, 26.6869

Background



This preview shows how black text looks on a background with the XYZ color 12.1768, 17.0137, 26.6869.

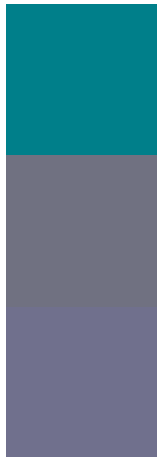


This preview shows how white text looks on a background with the XYZ color 12.1768, 17.0137,

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

12.1768, 17.0137, 26.6869

Protanopia

16.5497, 16.8400, 23.1471

Deuteranopia

17.2840, 16.9562, 27.5612

Trichromacy



Original Color

12.1768, 17.0137, 26.6869

Protanomaly

13.2418, 15.9624, 24.2129

Deuteranomaly

13.6934, 15.9556, 27.1690

Monochromacy



Original Color

12.1768, 17.0137, 26.6869

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.1914, 11.6319, 15.6707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1768, 17.0137, 26.6869 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, 127, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 138)  
}
```

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, 127, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 138) }
```

Border

The CSS property to change the border of an element to XYZ 12.1768, 17.0137, 26.6869 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, 127, 138) }
```

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

```
.border{ border-color:rgb(0, 127, 138) }
```

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

Here you see how a box with a 4 pixel rgb(0, 127, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
138) }
```


Background

The CSS property to change the background color of an element to XYZ 12.1768, 17.0137, 26.6869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 138) }
```

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

```
.background{ background-color: rgb(0, 127,  
138) }
```

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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