

Converting Colors

XYZ(12.0836, 25.2233, 15.5562)

Have a look what the booklet for
XYZ(12.0836, 25.2233, 15.5562)
contains.

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Color

**XYZ(15.0780, 26.7037,
15.6689)**

Conversions

Conversions Part 1

Format	Color
Hex	00A261
RGB	0, 162, 97
RGB Percent	0%, 64%, 38%
CMY	1.0000, 0.3647, 0.6196
CMYK	1.00, 0.00, 0.40, 0.36
HSL	156°, 100%, 32%
HSV	156°, 100%, 64%
XYZ	15.0780, 26.7037, 15.6689
YIQ	106.1520, -75.6870, -54.5590

Conversions

Conversions Part 2

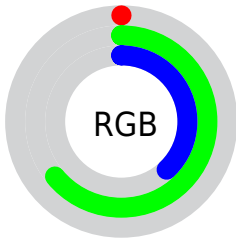
Format	Color
RYB	0, 101, 162
Decimal	41569
CIELab	58.70, -51.31, 23.98
CIELCh	59, 56.639, 154.946
Yxy	26.7037, 0.2625, 0.4648
Android (android.graphics.Color)	4278231649 (0xFF00A261)
YUV	106.1520, -4.5119, -93.0953
Hunter-Lab	51.6756, -38.3493, 18.1952

Details

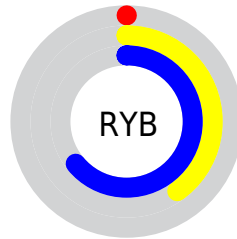
The XYZ color **15.0780, 26.7037, 15.6689** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.8554, 8.0637, 5.7236**, and the grayscale version is **13.7694, 14.4864, 15.7757**.

A 20% lighter version of the original color is **34.5365, 54.4048, 36.6979**, and **6.0444, 11.1676, 4.8546** is the 20% darker color. If you saturate the color by 10%, you get **15.0784, 26.7046, 15.6685**, and if you desaturate by 10%, it is **15.6116, 26.9430, 17.3423**.

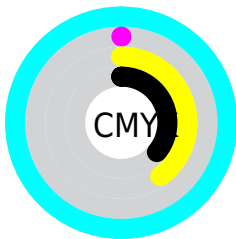
Distribution



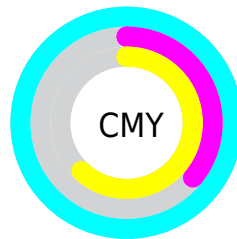
- Red (0%)
- Green (64%)
- Blue (38%)



- Red (0%)
- Yellow (40%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0780, 26.7037, 15.6689 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 15.0780, 26.7037, 15.6689 by changing the saturation by 10% instead.


 15.0780, 26.7037,
15.6689

 15.0780, 26.7037,
15.6689


217.2169,
286.2196, 239.1586


 8.9608, 17.3508,
9.1384


 34.5605, 54.4080,
36.7812


 4.7725, 10.4849,
4.7335


 48.6565, 73.5283,
52.2000


 2.1478, 5.7216,
2.0358

 66.1429, 96.6731,
71.4187

 0.7150, 2.6766,
0.5771

 87.3849, 124.2269,
94.8557

 0.0000, 0.9653,
0.0000

 112.7479,
156.5740, 122.9297

 0.0000, 0.0000,
0.0000

 142.5974,

194.0989, 156.0592

177.2986,
237.1860, 194.6626

■ 15.0780, 26.7037,
15.6689

■ 15.0780, 26.7037,
15.6689

■ 15.0784, 26.7046,
15.6685

■ 15.6116, 26.9430,
17.3423

■ 16.3439, 27.2812,
19.1570

■ 17.3505, 27.7576,
21.1202

■ 18.6637, 28.3892,
23.2361

■ 20.3112, 29.1899,
25.5088

■ 22.3175, 30.1724,
27.9420

■ 24.7046, 31.3479,
30.5393

■ 27.4927, 32.7270,
33.3042

■ 30.7007, 34.3191,
36.2400

Harmonies

Analogous

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



18.4558, 26.7037, 7.6051



15.0780, 26.7037, 15.6689



14.2387, 26.7037, 32.5103

Triad

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



15.0780, 26.7037, 15.6689



26.5536, 26.7037, 86.4827



38.0193, 26.7037, 12.1731

Complementary

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



15.0780, 26.7037, 15.6689



15.8554, 8.0637, 5.7236

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.



41.2007, 26.7037, 25.8921



15.0780, 26.7037, 15.6689



33.8524, 26.7037, 73.2157

Square

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



15.0780, 26.7037, 15.6689



20.1211, 26.7037, 79.5097



39.5514, 26.7037, 48.5330



31.4861, 26.7037, 6.3309

Rectangle

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



15.0780, 26.7037, 15.6689



15.0705, 26.7037, 48.4414



39.5514, 26.7037, 48.5330



39.5657, 26.7037, 15.7121

Sweetspot

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



15.0787, 26.7048, 15.6695



44.5781, 56.7750, 55.1595



15.2705, 27.0529, 4.4172



9.6057, 12.5511, 11.9567



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.



15.0787, 26.7048, 15.6695



27.2688, 48.4373, 27.8964



17.1910, 23.9469, 37.8998



7.1552, 7.9629, 8.4290



11.9004, 21.0465, 12.4578



0.2725, 0.4512, 0.3799

Inverse Universe

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



15.8554, 8.0637, 5.7236



28.6874, 14.5998, 9.8851



15.0514, 7.9827, 0.7478



7.1860, 7.1309, 7.9661



12.5108, 6.3604, 4.6145



0.2859, 0.1429, 0.2182

Previews

White Background



This preview shows how the XYZ color 15.0780, 26.7037, 15.6689 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 15.0780, 26.7037, 15.6689 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 15.0780, 26.7037, 15.6689

Background



This preview shows how black text looks on a background with the XYZ color 15.0780, 26.7037, 15.6689.



This preview shows how white text looks on a background with the XYZ color 15.0780, 26.7037,

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

15.0780, 26.7037, 15.6689

Protanopia

24.2764, 26.2331, 13.0165

Deuteranopia

26.6992, 26.1365, 16.4696



Tritanopia

20.2422, 26.7942, 40.1813

Trichromacy



Original Color

15.0780, 26.7037, 15.6689



Protanomaly

17.4080, 24.4765, 13.7045



Deuteranomaly

18.2661, 23.9503, 15.9721



Tritanomaly

17.6640, 26.4491, 29.3735

Monochromacy



Original Color

15.0780, 26.7037, 15.6689



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

12.2238, 17.0943, 15.4872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0780, 26.7037, 15.6689 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, 162, 97)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 97)  
}
```

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, 162, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 97) }
```

Border

The CSS property to change the border of an element to XYZ 15.0780, 26.7037, 15.6689 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, 162, 97) }
```


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

```
.border{ border-color:rgb(0, 162, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 97);  
box-shadow:4px 4px 4px 4px rgb(0, 162, 97)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.0780, 26.7037, 15.6689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 97) }
```

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

```
.background{ background-color: rgb(0, 162,  
97) }
```

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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