

Converting Colors

XYZ(12.5727, 24.6357, 23.7504)

Have a look what the booklet for
XYZ(12.5727, 24.6357, 23.7504)
contains.

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Color

**XYZ(16.3367, 26.6480,
24.0212)**

Conversions

Conversions Part 1

Format	Color
Hex	00A07E
RGB	0, 160, 126
RGB Percent	0%, 63%, 49%
CMY	0.9999, 0.3725, 0.5059
CMYK	1.00, 0.00, 0.21, 0.37
HSL	167°, 100%, 31%
HSV	167°, 100%, 63%
XYZ	16.3367, 26.6480, 24.0212
YIQ	108.2840, -84.4460, -44.4940

Conversions

Conversions Part 2

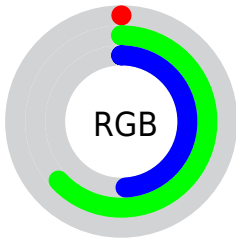
Format	Color
RYB	0, 90, 160
Decimal	41086
CIELab	58.65, -43.75, 7.85
CIELCh	59, 44.454, 169.825
Yxy	26.6480, 0.2438, 0.3977
Android (android.graphics.Color)	4278231166 (0xFF00A07E)
YUV	108.2840, 8.7340, -94.9651
Hunter-Lab	51.6217, -33.8481, 8.5457

Details

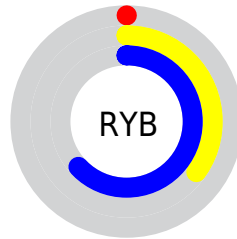
The XYZ color **16.3367, 26.6480, 24.0212** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.7869, 7.5898, 2.2002**, and the grayscale version is **14.3284, 15.0746, 16.4162**.

A 20% lighter version of the original color is **36.9090, 54.5401, 51.2298**, and **6.5972, 11.0512, 8.8066** is the 20% darker color. If you saturate the color by 10%, you get **16.3371, 26.6489, 24.0208**, and if you desaturate by 10%, it is **16.7744, 26.8485, 25.2074**.

Distribution



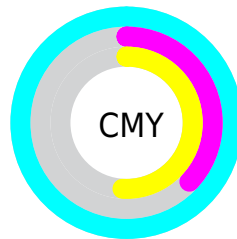
- Red (0%)
- Green (63%)
- Blue (49%)



- Red (0%)
- Yellow (35%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3367, 26.6480, 24.0212 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 16.3367, 26.6480, 24.0212 by changing the saturation by 10% instead.

■ 16.3367, 26.6480,
24.0212

■ 16.3367, 26.6480,
24.0212

224.5519,
285.9487, 286.2177

■ 9.8551, 17.3090,
15.1370

■ 36.7345, 54.3185,
51.0091

■ 5.3645, 10.4551,
8.7679

■ 51.3814, 73.4188,
69.9498

■ 2.4996, 5.7017,
4.4954

■ 69.4807, 96.5417,
93.0798

■ 0.8951, 2.6646,
1.9008

■ 91.3979, 124.0716,
120.8176

■ 0.0000, 0.9592,
0.4933

■ 117.4983,
156.3929, 153.5818

■ 0.0000, 0.0000,
0.0000

■ 148.1471,

193.8899, 191.7908

183.7099,
236.9470, 235.8632

■ 16.3367, 26.6480,
24.0212

■ 16.3367, 26.6480,
24.0212

■ 16.3371, 26.6489,
24.0208

■ 16.7744, 26.8485,
25.2074

■ 17.3874, 27.1379,
26.4405

■ 18.2493, 27.5546,
27.7249

■ 19.3910, 28.1148,
29.0625

■ 20.8391, 28.8320,
30.4548

■ 22.6166, 29.7181,
31.9033

■ 24.7447, 30.7841,
33.4094

■ 27.2425, 32.0397,
34.9742

■ 30.1279, 33.4942,
36.5990

Harmonies

Analogous

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



18.1239, 26.6480, 13.6200



16.3367, 26.6480, 24.0212



16.6803, 26.6480, 40.4526

Triad

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



16.3367, 26.6480, 24.0212



29.0578, 26.6480, 67.4843



32.7223, 26.6480, 11.5722

Complementary

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



16.3367, 26.6480, 24.0212



14.7869, 7.5898, 2.2002

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.



36.5431, 26.6480, 19.9665



16.3367, 26.6480, 24.0212



34.2259, 26.6480, 53.0543

Square

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



16.3367, 26.6480, 24.0212



23.5184, 26.6480, 69.8082



37.1298, 26.6480, 34.6573



27.2284, 26.6480, 8.3430

Rectangle

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



16.3367, 26.6480, 24.0212



18.0908, 26.6480, 52.8436



37.1298, 26.6480, 34.6573



34.2764, 26.6480, 13.7054

Sweetspot

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



16.3374, 26.6490, 24.0218



44.6824, 55.7700, 60.4961



13.2536, 25.4943, 4.2228



9.4514, 12.0566, 13.0288



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.3374, 26.6490, 24.0218



29.5857, 48.3543, 43.2099



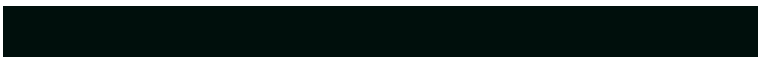
12.4390, 14.7252, 35.4456



6.7614, 7.4853, 8.1783



12.7423, 20.7649, 18.7978



0.2417, 0.3768, 0.4094

Inverse Universe

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



14.7869, 7.5898, 2.2002



26.7857, 13.7551, 3.6696



15.4494, 9.3770, 0.9961



6.6879, 6.6681, 7.2075



11.5319, 5.9173, 1.7861



0.2197, 0.1112, 0.1033

Previews

White Background



This preview shows how the XYZ color 16.3367, 26.6480, 24.0212 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 16.3367, 26.6480, 24.0212 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 16.3367, 26.6480, 24.0212

Background



This preview shows how black text looks on a background with the XYZ color 16.3367, 26.6480, 24.0212.

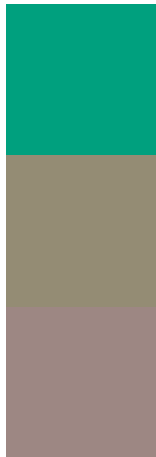


This preview shows how white text looks on a background with the XYZ color 16.3367, 26.6480,

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

16.3367, 26.6480, 24.0212

Protanopia

24.7432, 26.3130, 20.2978

Deuteranopia

26.6653, 26.1347, 25.1118



Tritanopia

19.7973, 26.5542, 40.6413

Trichromacy



Original Color

16.3367, 26.6480, 24.0212

Protanomaly

18.4400, 24.6032, 21.5463

Deuteranomaly

19.1912, 24.2408, 24.4363

Tritanomaly

18.1210, 26.3352, 33.8339

Monochromacy



Original Color

16.3367, 26.6480, 24.0212

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.1381, 17.6818, 18.9401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3367, 26.6480, 24.0212 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, 160, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 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, 160, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 126) }
```

Border

The CSS property to change the border of an element to XYZ 16.3367, 26.6480, 24.0212 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, 160, 126) }
```


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

```
.border{ border-color:rgb(0, 160, 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, 160, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3367, 26.6480, 24.0212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 126) }
```

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

```
.background{ background-color: rgb(0, 160,  
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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