

Converting Colors

XYZ(11.6472, 24.7052, 24.9475)

Have a look what the booklet for
XYZ(11.6472, 24.7052, 24.9475)
contains.

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Color

**XYZ(16.8828, 27.4256,
25.1727)**

Conversions

Conversions Part 1

Format	Color
Hex	00A281
RGB	0, 162, 129
RGB Percent	0%, 64%, 51%
CMY	0.9999, 0.3647, 0.4941
CMYK	1.00, 0.00, 0.20, 0.36
HSL	168°, 100%, 32%
HSV	168°, 100%, 64%
XYZ	16.8828, 27.4256, 25.1727
YIQ	109.8000, -85.9590, -44.6070

Conversions

Conversions Part 2

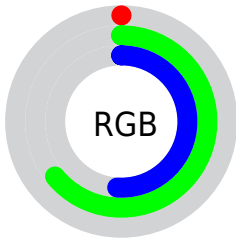
Format	Color
RYB	0, 90, 162
Decimal	41601
CIELab	59.37, -43.79, 7.19
CIELCh	59, 44.377, 170.673
Yxy	27.4256, 0.2430, 0.3947
Android (android.graphics.Color)	4278231681 (0xFF00A281)
YUV	109.8000, 9.4656, -96.2946
Hunter-Lab	52.3695, -34.1019, 8.1594

Details

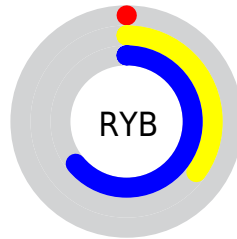
The XYZ color **16.8828, 27.4256, 25.1727** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.1759, 7.7920, 2.1447**, and the grayscale version is **14.7572, 15.5258, 16.9076**.

A 20% lighter version of the original color is **37.7314, 55.6939, 53.0173**, and **6.9166, 11.5165, 9.4478** is the 20% darker color. If you saturate the color by 10%, you get **16.8830, 27.4264, 25.1718**, and if you desaturate by 10%, it is **17.3238, 27.6279, 26.3579**.

Distribution



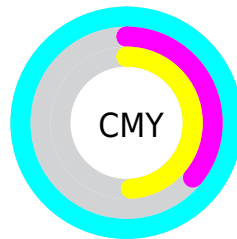
- Red (0%)
- Green (64%)
- Blue (51%)



- Red (0%)
- Yellow (35%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (36%)



- Cyan (100%)
- Magenta (36%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8828, 27.4256, 25.1727 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 16.8828, 27.4256, 25.1727 by changing the saturation by 10% instead.

■ 16.8828, 27.4256,
25.1727

■ 16.8828, 27.4256,
25.1727

227.6655,
289.7119, 292.1721

■ 10.2458, 17.8931,
15.9856

■ 37.6694, 55.5661,
52.9048

■ 5.6257, 10.8733,
9.3597

■ 52.5496, 74.9428,
72.2870

■ 2.6573, 5.9817,
4.8765

■ 70.9082, 98.3698,
95.9045

■ 0.9753, 2.8339,
2.1175

■ 93.1107, 126.2314,
124.1759

■ 0.0000, 1.0457,
0.6262

■ 119.5223,
158.9121, 157.5199

■ 0.0000, 0.0000,
0.0000

■ 150.5084,

196.7961, 196.3549

186.4343,
240.2679, 241.0994

■ 16.8828, 27.4256,
25.1727

■ 16.8828, 27.4256,
25.1727

■ 16.8830, 27.4264,
25.1718

■ 17.3238, 27.6279,
26.3579

■ 17.9453, 27.9217,
27.5883

■ 18.8224, 28.3464,
28.8683

■ 19.9868, 28.9184,
30.1998

■ 21.4659, 29.6518,
31.5843

■ 23.2836, 30.5589,
33.0233

■ 25.4615, 31.6508,
34.5182

■ 28.0196, 32.9378,
36.0701

■ 30.9761, 34.4294,
37.6803

Harmonies

Analogous

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



18.6461, 27.4256, 14.3663



16.8828, 27.4256, 25.1727



17.2953, 27.4256, 42.0173

Triad

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



16.8828, 27.4256, 25.1727



30.0234, 27.4256, 68.6071



33.4404, 27.4256, 11.8971

Complementary

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



16.8828, 27.4256, 25.1727



15.1759, 7.7920, 2.1447

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.



37.3940, 27.4256, 20.3108



16.8828, 27.4256, 25.1727



35.2348, 27.4256, 53.7504

Square

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



16.8828, 27.4256, 25.1727



24.3739, 27.4256, 71.3690



38.0936, 27.4256, 35.0998



27.8372, 27.4256, 8.7028

Rectangle

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



16.8828, 27.4256, 25.1727



18.7754, 27.4256, 54.5691



38.0936, 27.4256, 35.0998



35.0379, 27.4256, 14.0309

Sweetspot

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



16.8836, 27.4267, 25.1733



45.9725, 57.3328, 62.5021



13.6180, 26.2009, 4.3402



9.9540, 12.6904, 13.7907



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.



16.8836, 27.4267, 25.1733



30.5734, 49.7591, 45.2980



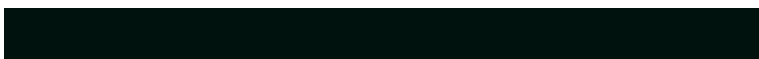
12.7799, 15.1245, 36.4293



7.2140, 7.9864, 8.7386



13.3161, 21.6128, 19.9128



0.2946, 0.4601, 0.4964

Inverse Universe

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



15.1759, 7.7920, 2.1447



27.4888, 14.1204, 3.5738



15.8746, 9.6291, 1.0225



7.1301, 7.1085, 7.6713



11.9683, 6.1434, 1.7575



0.2666, 0.1351, 0.1165

Previews

White Background



This preview shows how the XYZ color 16.8828, 27.4256, 25.1727 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 16.8828, 27.4256, 25.1727 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 16.8828, 27.4256, 25.1727

Background



This preview shows how black text looks on a background with the XYZ color 16.8828, 27.4256, 25.1727.



This preview shows how white text looks on a background with the XYZ color 16.8828, 27.4256,

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

16.8828, 27.4256, 25.1727

Protanopia

25.5805, 27.1619, 21.3473

Deuteranopia

27.5468, 26.9835, 26.3107



Tritanopia

20.4850, 27.6315, 41.7899

Trichromacy



Original Color

16.8828, 27.4256, 25.1727



Protanomaly

19.0419, 25.3578, 22.6298



Deuteranomaly

19.8106, 24.9904, 25.6093



Tritanomaly

18.7959, 27.4207, 34.8739

Monochromacy



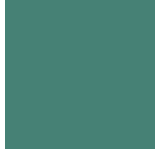
Original Color

16.8828, 27.4256, 25.1727



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

13.5869, 18.2870, 19.6433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8828, 27.4256, 25.1727 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 129) }
```

Border

The CSS property to change the border of an element to XYZ 16.8828, 27.4256, 25.1727 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, 129) }
```


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

```
.border{ border-color:rgb(0, 162, 129) }
```

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, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8828, 27.4256, 25.1727 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, 129) }
```

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

```
.background{ background-color: rgb(0, 162,  
129) }
```

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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