

Converting Colors

XYZ(14.4448, 29.7539, 24.8104)

Have a look what the booklet for
XYZ(14.4448, 29.7539, 24.8104)
contains.

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Color

**XYZ(19.0959, 32.1663,
24.9409)**

Conversions

Conversions Part 1

Format	Color
Hex	00AF7E
RGB	0, 175, 126
RGB Percent	0%, 69%, 49%
CMY	0.9999, 0.3137, 0.5059
CMYK	1.00, 0.00, 0.28, 0.31
HSL	163°, 100%, 34%
HSV	163°, 100%, 69%
XYZ	19.0959, 32.1663, 24.9409
YIQ	117.0890, -88.5710, -52.3390

Conversions

Conversions Part 2

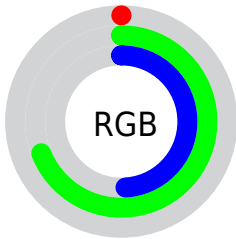
Format	Color
RYB	0, 102, 175
Decimal	44926
CIELab	63.48, -49.74, 14.66
CIELCh	63, 51.858, 163.575
Yxy	32.1663, 0.2506, 0.4221
Android (android.graphics.Color)	4278235006 (0xFF00AF7E)
YUV	117.0890, 4.3931, -102.6871
Hunter-Lab	56.7153, -39.1514, 13.6276

Details

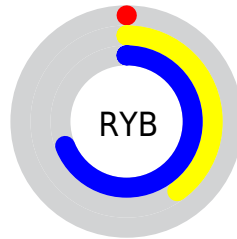
The XYZ color **19.0959, 32.1663, 24.9409** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.2349, 9.3366, 3.7491**, and the grayscale version is **16.9448, 17.8272, 19.4139**.

A 20% lighter version of the original color is **41.5075, 63.2951, 52.6773**, and **8.1769, 14.2106, 9.3331** is the 20% darker color. If you saturate the color by 10%, you get **19.0962, 32.1673, 24.9397**, and if you desaturate by 10%, it is **19.6612, 32.4211, 26.6597**.

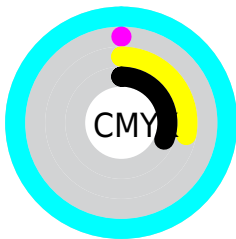
Distribution



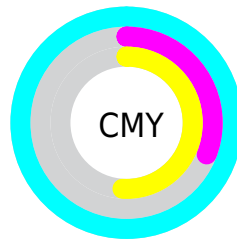
- Red (0%)
- Green (69%)
- Blue (49%)



- Red (0%)
- Yellow (40%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.0959, 32.1663, 24.9409 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 19.0959, 32.1663, 24.9409 by changing the saturation by 10% instead.


 19.0959, 32.1663,
24.9409


 19.0959, 32.1663,
24.9409


239.9056,
311.8761, 290.9817


 11.8440, 21.4886,
15.8144


 41.4117, 63.0717,
52.5243


 6.7090, 13.4816,
9.2400


 57.2063, 84.0681,
71.8182


 3.3255, 7.7610,
4.7991


 76.5792, 109.2730,
95.3384

 1.3281, 3.9424,
2.0732

 99.8958, 139.0705,
123.5034

 0.2041, 1.6414,
0.5998

 127.5214,
173.8452, 156.7316

 0.0000, 0.3853,
0.0000

 159.8213,

 0.0000, 0.0000,

213.9814, 195.4418

0.0000

197.1609,
259.8636, 240.0523

■ 19.0959, 32.1663,
24.9409

■ 19.0959, 32.1663,
24.9409

■ 19.0962, 32.1673,
24.9397

■ 19.6612, 32.4211,
26.6597

■ 20.4543, 32.7907,
28.4704

■ 21.5593, 33.3193,
30.3788

■ 23.0154, 34.0269,
32.3878

■ 24.8556, 34.9308,
34.5001

■ 27.1093, 36.0458,
36.7180

■ 29.8027, 37.3856,
39.0438

■ 32.9599, 38.9626,
41.4795

■ 36.6032, 40.7882,
44.0274

Harmonies

Analogous

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



21.9667, 32.1663, 13.3931



19.0959, 32.1663, 24.9409



18.9656, 32.1663, 45.2104

Triad

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



19.0959, 32.1663, 24.9409



33.9491, 32.1663, 89.6364



41.7748, 32.1663, 14.1432

Complementary

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



19.0959, 32.1663, 24.9409



18.2349, 9.3366, 3.7491

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.



46.1522, 32.1663, 26.4949



19.0959, 32.1663, 24.9409



41.1766, 32.1663, 72.4493

Square

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



19.0959, 32.1663, 24.9409



26.8131, 32.1663, 88.6824



45.9175, 32.1663, 47.5124



34.6692, 32.1663, 9.0532

Rectangle

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



19.0959, 32.1663, 24.9409



20.4032, 32.1663, 61.9366



45.9175, 32.1663, 47.5124



43.6607, 32.1663, 17.3149

Sweetspot

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



19.0968, 32.1676, 24.9417



53.0976, 66.8163, 69.6979



16.6263, 31.3290, 5.1714



11.3407, 14.6212, 15.1043



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.0968, 32.1676, 24.9417



34.1018, 57.5694, 44.1514



16.6968, 21.0123, 43.7346



8.1392, 9.0332, 9.7581



13.7021, 23.0461, 18.0027



0.4029, 0.6498, 0.6152

Inverse Universe

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



18.2349, 9.3366, 3.7491



32.5755, 16.6879, 6.2883



18.3709, 10.4963, 1.0583



8.0940, 8.0508, 8.8058



13.0809, 6.6949, 2.8056



0.3874, 0.1957, 0.2019

Previews

White Background



This preview shows how the XYZ color 19.0959, 32.1663, 24.9409 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.0959, 32.1663, 24.9409 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 ✓ Pass

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

XYZ 19.0959, 32.1663, 24.9409

Background



This preview shows how black text looks on a background with the XYZ color 19.0959, 32.1663, 24.9409.



This preview shows how white text looks on a background with the XYZ color 19.0959, 32.1663,

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

19.0959, 32.1663, 24.9409

Protanopia

29.4849, 31.5040, 21.0498

Deuteranopia

32.2778, 31.6473, 26.2371



Tritanopia

24.0880, 32.2410, 48.6696

Trichromacy



Original Color

19.0959, 32.1663, 24.9409



Protanomaly

21.6699, 29.4407, 22.3098



Deuteranomaly

22.6418, 29.1052, 25.5436



Tritanomaly

21.7589, 32.0923, 38.7658

Monochromacy



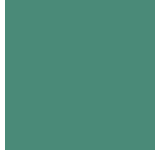
Original Color

19.0959, 32.1663, 24.9409



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.3027, 20.9889, 21.0140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0959, 32.1663, 24.9409 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, 175, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 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, 175, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 126) }
```

Border

The CSS property to change the border of an element to XYZ 19.0959, 32.1663, 24.9409 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, 175, 126) }
```


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

```
.border{ border-color:rgb(0, 175, 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, 175, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0959, 32.1663, 24.9409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 126) }
```

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

```
.background{ background-color: rgb(0, 175,  
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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