

Converting Colors

XYZ(18.9155, 32.4067, 23.0275)

Have a look what the booklet for
XYZ(18.9155, 32.4067, 23.0275)
contains.

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Color

**XYZ(18.9155, 32.4067,
23.0275)**

Conversions

Conversions Part 1

Format	Color
Hex	00B078
RGB	0, 176, 120
RGB Percent	0%, 69%, 47%
CMY	0.9999, 0.3098, 0.5294
CMYK	1.00, 0.00, 0.32, 0.31
HSL	161°, 100%, 35%
HSV	161°, 100%, 69%
XYZ	18.9155, 32.4067, 23.0275
YIQ	116.9920, -86.9200, -54.7280

Conversions

Conversions Part 2

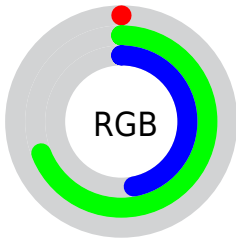
Format	Color
RYB	0, 105, 176
Decimal	45176
CIELab	63.68, -51.52, 18.22
CIELCh	64, 54.644, 160.527
Yxy	32.4067, 0.2544, 0.4359
Android (android.graphics.Color)	4278235256 (0xFF00B078)
YUV	116.9920, 1.4829, -102.6020
Hunter-Lab	56.9269, -40.3106, 15.8654

Details

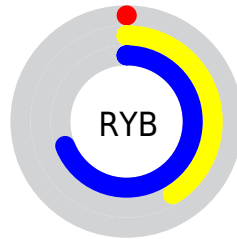
The XYZ color **18.9155, 32.4067, 23.0275** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.6195, 9.5165, 4.5990**, and the grayscale version is **16.9227, 17.8040, 19.3886**.

A 20% lighter version of the original color is **41.2978, 63.6746, 49.6490**, and **8.0969, 14.3740, 8.3089** is the 20% darker color. If you saturate the color by 10%, you get **18.9159, 32.4078, 23.0266**, and if you desaturate by 10%, it is **19.5085, 32.6728, 24.8827**.

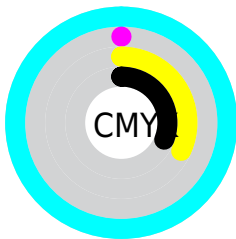
Distribution



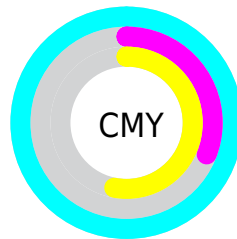
- Red (0%)
- Green (69%)
- Blue (47%)



- Red (0%)
- Yellow (41%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.9155, 32.4067, 23.0275 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 18.9155, 32.4067, 23.0275 by changing the saturation by 10% instead.


 18.9155, 32.4067,
23.0275


 18.9155, 32.4067,
23.0275


238.9290,
312.9678, 280.9927


 11.7129, 21.6723,
14.4083


 41.1092, 63.4481,
49.3622


 6.6193, 13.6163,
8.2632


 56.8311, 84.5240,
67.9149

 3.2694, 7.8543,
4.1737


 76.1234, 109.8158,
90.6158

 1.2978, 4.0019,
1.7211

 99.3514, 139.7079,
117.8834

 0.1815, 1.6746,
0.3751

 126.8807,
174.5848, 150.1364

 0.0000, 0.4071,
0.0000

 159.0765,

 0.0000, 0.0000,

214.8308, 187.7933

0.0000

196.3041,
260.8303, 231.2725

■ 18.9155, 32.4067,
23.0275

■ 18.9155, 32.4067,
23.0275

■ 18.9159, 32.4078,
23.0266

■ 19.5085, 32.6728,
24.8827

■ 20.3369, 33.0571,
26.8537

■ 21.4857, 33.6042,
28.9470

■ 22.9948, 34.3346,
31.1659

■ 24.8977, 35.2656,
33.5137

■ 27.2243, 36.4125,
35.9933

■ 30.0014, 37.7892,
38.6075

■ 33.2534, 39.4081,
41.3590

■ 37.0032, 41.2811,
44.2503

Harmonies

Analogous

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



22.2016, 32.4067, 11.9815



18.9155, 32.4067, 23.0275



18.4899, 32.4067, 43.5507

Triad

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



18.9155, 32.4067, 23.0275



33.5665, 32.4067, 94.9839



43.3830, 32.4067, 14.3871

Complementary

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



18.9155, 32.4067, 23.0275



18.6195, 9.5165, 4.5990

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.



47.6357, 32.4067, 28.1382



18.9155, 32.4067, 23.0275



41.3771, 32.4067, 77.9429

Square

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



18.9155, 32.4067, 23.0275



26.1557, 32.4067, 91.7322



46.8463, 32.4067, 51.2660



35.9675, 32.4067, 8.6138

Rectangle

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



18.9155, 32.4067, 23.0275



19.7935, 32.4067, 61.2855



46.8463, 32.4067, 51.2660



45.2812, 32.4067, 17.9279

Sweetspot

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



18.9164, 32.4080, 23.0283



54.1203, 68.3904, 69.7594



17.3106, 31.9718, 5.2593



11.2621, 14.5897, 14.6904



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.



18.9164, 32.4080, 23.0283



34.1986, 58.7320, 41.1958



18.2197, 23.9003, 44.7287



8.6253, 9.5846, 10.2864



13.9059, 23.7883, 17.0391



0.4626, 0.7585, 0.6683

Inverse Universe

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



18.6195, 9.5165, 4.5990



33.6765, 17.2218, 7.8576



18.3531, 10.1263, 0.9877



8.6041, 8.5484, 9.4136



13.6846, 6.9914, 3.4994



0.4578, 0.2309, 0.2534

Previews

White Background



This preview shows how the XYZ color 18.9155, 32.4067, 23.0275 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 18.9155, 32.4067, 23.0275 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 18.9155, 32.4067, 23.0275

Background



This preview shows how black text looks on a background with the XYZ color 18.9155, 32.4067, 23.0275.



This preview shows how white text looks on a background with the XYZ color 18.9155, 32.4067,

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

18.9155, 32.4067, 23.0275

Protanopia

29.7228, 31.9076, 19.3441

Deuteranopia

32.3311, 31.7209, 24.1574



Tritanopia

24.3096, 32.3433, 49.2176

Trichromacy



Original Color

18.9155, 32.4067, 23.0275



Protanomaly

21.6078, 29.7079, 20.5149



Deuteranomaly

22.6750, 29.4197, 23.5522



Tritanomaly

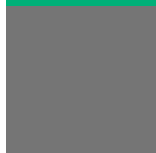
21.6202, 32.0411, 37.8459

Monochromacy



Original Color

18.9155, 32.4067, 23.0275



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.1825, 20.9408, 20.3813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9155, 32.4067, 23.0275 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, 176, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 120)  
}
```

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, 176, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 120) }
```

Border

The CSS property to change the border of an element to XYZ 18.9155, 32.4067, 23.0275 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, 176, 120) }
```


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

```
.border{ border-color:rgb(0, 176, 120) }
```

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

Here you see how a box with a 4 pixel rgb(0, 176, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9155, 32.4067, 23.0275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 120) }
```

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

```
.background{ background-color: rgb(0, 176,  
120) }
```

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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