

Converting Colors

XYZ(18.8519, 32.4372, 20.4743)

Have a look what the booklet for
XYZ(18.8519, 32.4372, 20.4743)
contains.

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Color

**XYZ(18.8760, 32.4401,
20.5959)**

Conversions

Conversions Part 1

Format	Color
Hex	1AB070
RGB	26, 176, 112
RGB Percent	10%, 69%, 44%
CMY	0.8980, 0.3098, 0.5608
CMYK	0.85, 0.00, 0.36, 0.31
HSL	154°, 74%, 40%
HSV	154°, 85%, 69%
XYZ	18.8760, 32.4401, 20.5959
YIQ	123.8540, -68.8560, -51.7040

Conversions

Conversions Part 2

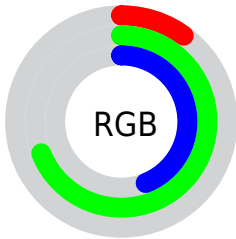
Format	Color
RYB	26, 121, 176
Decimal	1749104
CIELab	63.70, -51.84, 22.61
CIELCh	64, 56.558, 156.431
Yxy	32.4401, 0.2625, 0.4511
Android (android.graphics.Color)	4279939184 (0xFF1AB070)
YUV	123.8540, -5.8440, -85.8180
Hunter-Lab	56.9562, -40.5162, 18.4295

Details

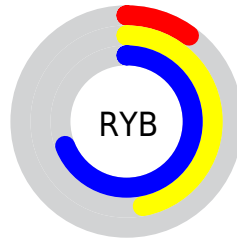
The XYZ color **18.8760, 32.4401, 20.5959** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **20.1206, 10.7080, 10.6814**, and the grayscale version is **19.1461, 20.1432, 21.9359**.

A 20% lighter version of the original color is **41.0953, 63.6675, 45.2451**, and **7.8567, 14.2779, 7.0445** is the 20% darker color. If you saturate the color by 10%, you get **18.1549, 32.1155, 18.4701**, and if you desaturate by 10%, it is **19.9085, 32.9229, 22.9198**.

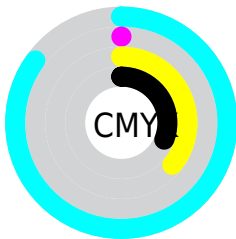
Distribution



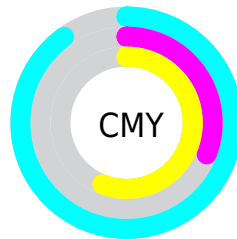
- Red (10%)
- Green (69%)
- Blue (44%)



- Red (10%)
- Yellow (47%)
- Blue (69%)



- Cyan (85%)
- Magenta (0%)
- Yellow (36%)
- Black (31%)



- Cyan (90%)
- Magenta (31%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8760, 32.4401, 20.5959 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 18.8760, 32.4401, 20.5959 by changing the saturation by 10% instead.

■ 18.8760, 32.4401,
20.5959

■ 18.8760, 32.4401,
20.5959

238.7146,
313.1192, 267.8332

■ 11.6842, 21.6979,
12.6406

■ 41.0430, 63.5004,
45.2860

■ 6.5997, 13.6351,
7.0537

■ 56.7488, 84.5872,
62.8580

■ 3.2571, 7.8673,
3.4168

■ 76.0234, 109.8911,
84.4725

■ 1.2911, 4.0101,
1.3112

■ 99.2321, 139.7964,
110.5482

■ 0.1766, 1.6792,
0.0709

■ 126.7402,
174.6874, 141.5035

■ 0.0000, 0.4102,
0.0000

■ 158.9130,

■ 0.0000, 0.0000,

214.9486, 177.7571

0.0000

196.1161,
260.9644, 219.7275

■ 18.8760, 32.4401,
20.5959

■ 18.8760, 32.4401,
20.5959

■ 18.1549, 32.1155,
18.4701

■ 19.9085, 32.9229,
22.9198

■ 17.8702, 31.9895,
17.5200

■ 21.2954, 33.5834,
25.4459

■ 23.0748, 34.4420,
28.1809

■ 25.2786, 35.5151,
31.1302

■ 27.9356, 36.8174,
34.2991

■ 31.0718, 38.3624,
37.6926

■ 34.7113, 40.1622,
41.3155

■ 38.8765, 42.2284,
45.1723

■ 43.5883, 44.5716,
49.2675

Harmonies

Analogous

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



22.6455, 32.4401, 10.5697



18.8760, 32.4401, 20.5959



18.0418, 32.4401, 40.4351

Triad

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



18.8760, 32.4401, 20.5959



32.5706, 32.4401, 98.7983



44.7797, 32.4401, 15.2372

Complementary

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



18.8760, 32.4401, 20.5959



20.1206, 10.7080, 10.6814

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.



48.5757, 32.4401, 30.6587



18.8760, 32.4401, 20.5959



40.7893, 32.4401, 83.3116

Square

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



18.8760, 32.4401, 20.5959



25.1365, 32.4401, 92.2701



47.0028, 32.4401, 55.7870



37.3318, 32.4401, 8.5315

Rectangle

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



18.8760, 32.4401, 20.5959



19.1087, 32.4401, 58.5073



47.0028, 32.4401, 55.7870



46.5784, 32.4401, 19.2486

Sweetspot

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



18.8768, 32.4414, 20.5967



55.6025, 69.2044, 67.5787



20.0274, 33.3509, 6.3596



11.6211, 14.7862, 14.1897



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.



18.8768, 32.4414, 20.5967



32.2937, 57.9700, 31.1647



21.8998, 30.6280, 45.8333



8.5863, 9.5690, 10.0811



13.1410, 23.4824, 13.0110



0.4420, 0.7502, 0.5594

Inverse Universe

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



20.1206, 10.7080, 10.6814



34.6740, 17.6208, 13.1105



18.7228, 10.5673, 2.0307



8.6418, 8.5635, 9.6123



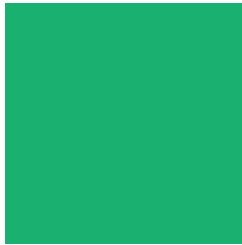
14.0992, 7.1573, 5.6826



0.4731, 0.2370, 0.3338

Previews

White Background



This preview shows how the XYZ color 18.8760, 32.4401, 20.5959 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 18.8760, 32.4401, 20.5959 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

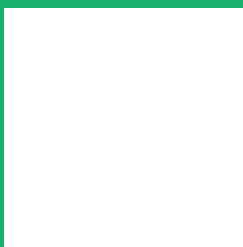
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.8760, 32.4401, 20.5959

Background



This preview shows how black text looks on a background with the XYZ color 18.8760, 32.4401, 20.5959.



This preview shows how white text looks on a background with the XYZ color 18.8760, 32.4401,

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

18.8760, 32.4401, 20.5959

Protanopia

29.5154, 31.8488, 17.1622

Deuteranopia

32.3539, 31.7831, 21.8823



Tritanopia

24.5899, 32.4997, 48.6931

Trichromacy



Original Color

18.8760, 32.4401, 20.5959



Protanomaly

22.4166, 30.1752, 18.2786



Deuteranomaly

23.5476, 29.9256, 21.0581



Tritanomaly

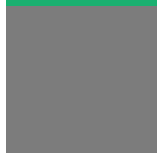
21.9289, 32.2299, 36.5177

Monochromacy



Original Color

18.8760, 32.4401, 20.5959



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.2371, 23.0757, 21.3149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8760, 32.4401, 20.5959 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(26, 176, 112)` looks like.

```
.text, #text, p{  
    color:rgb(26, 176, 112)  
}
```

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(26, 176, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 176, 112) }
```

Border

The CSS property to change the border of an element to XYZ 18.8760, 32.4401, 20.5959 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(26, 176, 112) }
```


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

```
.border{ border-color:rgb(26, 176, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 176, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 176, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 176, 112);  
box-shadow:4px 4px 4px 4px rgb(26, 176,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8760, 32.4401, 20.5959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 176, 112) }
```

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

```
.background{ background-color: rgb(26, 176,  
112) }
```

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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