

Converting Colors

XYZ(18.7883, 32.7303, 20.5426)

Have a look what the booklet for
XYZ(18.7883, 32.7303, 20.5426)
contains.

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Color

**XYZ(18.7848, 32.6853,
20.6481)**

Conversions

Conversions Part 1

Format	Color
Hex	0BB170
RGB	11, 177, 112
RGB Percent	4%, 69%, 44%
CMY	0.9568, 0.3059, 0.5608
CMYK	0.94, 0.00, 0.37, 0.31
HSL	157°, 88%, 37%
HSV	157°, 94%, 69%
XYZ	18.7848, 32.6853, 20.6481
YIQ	119.9560, -78.0710, -55.4070

Conversions

Conversions Part 2

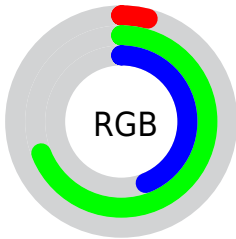
Format	Color
RYB	11, 114, 177
Decimal	766320
CIELab	63.91, -53.17, 22.86
CIElCh	64, 57.881, 156.734
Yxy	32.6853, 0.2605, 0.4532
Android (android.graphics.Color)	4278956400 (0xFF0BB170)
YUV	119.9560, -3.9223, -95.5544
Hunter-Lab	57.1711, -41.3993, 18.6064

Details

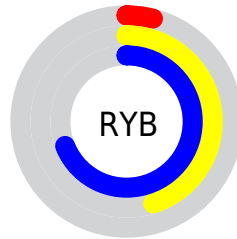
The XYZ color **18.7848, 32.6853, 20.6481** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **19.5569, 10.1091, 7.7603**, and the grayscale version is **17.8701, 18.8008, 20.4740**.

A 20% lighter version of the original color is **40.9475, 64.0128, 45.3195**, and **7.9802, 14.5248, 7.0856** is the 20% darker color. If you saturate the color by 10%, you get **18.4130, 32.5216, 19.4078**, and if you desaturate by 10%, it is **19.5471, 33.0328, 22.7775**.

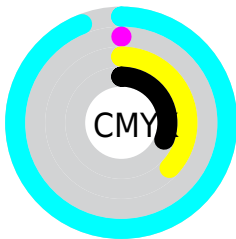
Distribution



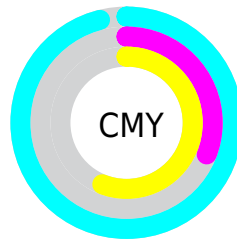
- Red (4%)
- Green (69%)
- Blue (44%)



- Red (4%)
- Yellow (45%)
- Blue (69%)



- Cyan (94%)
- Magenta (0%)
- Yellow (37%)
- Black (31%)





- Cyan (96%)
- Magenta (31%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.7848, 32.6853, 20.6481 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 18.7848, 32.6853, 20.6481 by changing the saturation by 10% instead.


 18.7848, 32.6853,
20.6481


 18.7848, 32.6853,
20.6481


238.2191,
314.2293, 268.1217


 11.6180, 21.8855,
12.6783


 40.8898, 63.8839,
45.3743


 6.5544, 13.7728,
7.0793


 56.5587, 85.0514,
62.9678


 3.2289, 7.9628,
3.4325


 75.7924, 110.4437,
84.6062

 1.2759, 4.0712,
1.3195

 98.9561, 140.4451,
110.7081

 0.1651, 1.7134,
0.0777

 126.4153,
175.4399, 141.6921

 0.0000, 0.4323,
0.0000

 158.5353,

 0.0000, 0.0000,

215.8126, 177.9767

0.0000

195.6815,
261.9476, 219.9804

■ 18.7848, 32.6853,
20.6481

■ 18.7848, 32.6853,
20.6481

■ 18.4130, 32.5216,
19.4078

■ 19.5471, 33.0328,
22.7775

■ 20.6253, 33.5388,
25.0795

■ 22.0640, 34.2271,
27.5601

■ 23.8997, 35.1164,
30.2241

■ 26.1643, 36.2230,
33.0763

■ 28.8862, 37.5617,
36.1208

■ 32.0915, 39.1456,
39.3617

■ 35.8039, 40.9871,
42.8032

■ 40.0459, 43.0976,
46.4489

Harmonies

Analogous

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



22.6088, 32.6853, 10.3856



18.7848, 32.6853, 20.6481



17.9635, 32.6853, 41.1115

Triad

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



18.7848, 32.6853, 20.6481



32.9393, 32.6853, 101.3066



45.3851, 32.6853, 14.9373

Complementary

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



18.7848, 32.6853, 20.6481



19.5569, 10.1091, 7.7603

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.



49.3611, 32.6853, 30.5841



18.7848, 32.6853, 20.6481



41.4071, 32.6853, 85.0000

Square

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



18.7848, 32.6853, 20.6481



25.2812, 32.6853, 94.7481



47.7908, 32.6853, 56.4103



37.6729, 32.6853, 8.2393

Rectangle

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



18.7848, 32.6853, 20.6481



19.0726, 32.6853, 59.8206



47.7908, 32.6853, 56.4103



47.2591, 32.6853, 18.9839

Sweetspot

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



18.7856, 32.6866, 20.6489



54.6643, 68.7166, 67.7209



18.8768, 33.0645, 5.7041



11.3365, 14.6401, 14.1514



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.



18.7856, 32.6866, 20.6489



32.8642, 58.1983, 34.1691



20.7152, 28.5276, 46.0111



8.5989, 9.5740, 10.1472



13.3708, 23.5743, 14.2215



0.4484, 0.7528, 0.5931

Inverse Universe

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



19.5569, 10.1091, 7.7603



34.3128, 17.4764, 11.2088



18.5987, 10.1838, 1.3024



8.6296, 8.5585, 9.5477



13.9502, 7.0976, 4.8978



0.4680, 0.2350, 0.3074

Previews

White Background



This preview shows how the XYZ color 18.7848, 32.6853, 20.6481 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 18.7848, 32.6853, 20.6481 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 18.7848, 32.6853, 20.6481

Background



This preview shows how black text looks on a background with the XYZ color 18.7848, 32.6853, 20.6481.



This preview shows how white text looks on a background with the XYZ color 18.7848, 32.6853,

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

18.7848, 32.6853, 20.6481

Protanopia

29.8902, 32.2860, 17.2268

Deuteranopia

32.5859, 31.9026, 21.8931



Tritanopia

24.4960, 32.4394, 49.2263

Trichromacy



Original Color

18.7848, 32.6853, 20.6481



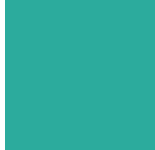
Protanomaly

21.9523, 30.1963, 18.3071



Deuteranomaly

22.9870, 29.6366, 21.0319



Tritanomaly

21.6874, 32.0956, 36.9503

Monochromacy



Original Color

18.7848, 32.6853, 20.6481



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.0440, 22.0396, 20.2381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7848, 32.6853, 20.6481 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(11, 177, 112)` looks like.

```
.text, #text, p{  
    color:rgb(11, 177, 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(11, 177, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 177, 112) }
```

Border

The CSS property to change the border of an element to XYZ 18.7848, 32.6853, 20.6481 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(11, 177, 112) }
```


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

```
.border{ border-color:rgb(11, 177, 112) }
```

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

Here you see how a box with a 4 pixel rgb(11, 177, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 177, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 177, 112);  
box-shadow:4px 4px 4px 4px rgb(11, 177,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7848, 32.6853, 20.6481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 177, 112) }
```

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

```
.background{ background-color: rgb(11, 177,  
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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