

Converting Colors

XYZ(18.6687, 31.3641, 23.6758)

Have a look what the booklet for
XYZ(18.6687, 31.3641, 23.6758)
contains.

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Color

**XYZ(18.7157, 31.4188,
23.8169)**

Conversions

Conversions Part 1

Format	Color
Hex	0FAD7B
RGB	15, 173, 123
RGB Percent	6%, 68%, 48%
CMY	0.9411, 0.3216, 0.5176
CMYK	0.91, 0.00, 0.29, 0.32
HSL	161°, 84%, 37%
HSV	161°, 91%, 68%
XYZ	18.7157, 31.4188, 23.8169
YIQ	120.0580, -78.1180, -49.0460

Conversions

Conversions Part 2

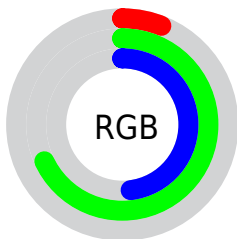
Format	Color
RYB	15, 109, 173
Decimal	1027451
CIELab	62.86, -49.02, 15.46
CIELCh	63, 51.404, 162.497
Yxy	31.4188, 0.2531, 0.4249
Android (android.graphics.Color)	4279217531 (0xFF0FAD7B)
YUV	120.0580, 1.4504, -92.1359
Hunter-Lab	56.0525, -38.4914, 14.0442

Details

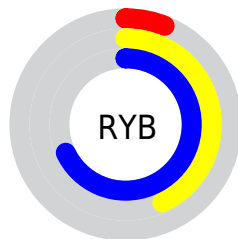
The XYZ color **18.7157, 31.4188, 23.8169** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.3596, 9.6082, 5.8894**, and the grayscale version is **17.8858, 18.8172, 20.4919**.

A 20% lighter version of the original color is **40.6797, 61.6600, 50.8318**, and **7.8329, 13.6881, 8.7078** is the 20% darker color. If you saturate the color by 10%, you get **18.2292, 31.2023, 22.2800**, and if you desaturate by 10%, it is **19.4772, 31.7714, 25.6929**.

Distribution



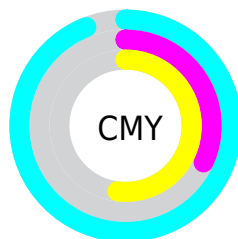
- Red (6%)
- Green (68%)
- Blue (48%)



- Red (6%)
- Yellow (43%)
- Blue (68%)



- Cyan (91%)
- Magenta (0%)
- Yellow (29%)
- Black (32%)





- Cyan (94%)
- Magenta (32%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7157, 31.4188, 23.8169 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 18.7157, 31.4188, 23.8169 by changing the saturation by 10% instead.


 18.7157, 31.4188,
23.8169


 18.7157, 31.4188,
23.8169


237.8431,
308.4631, 285.1502


 11.5678, 20.9180,
14.9869


 40.7737, 61.8988,
50.6713


 6.5202, 13.0640,
8.6637

 56.4146, 82.6468,
69.5328


 3.2075, 7.4727,
4.4287


 75.6172, 107.5793,
92.5753

 1.2644, 3.7594,
1.8633

 98.7468, 137.0807,
120.2172

 0.1564, 1.5399,
0.4693

 126.1689,
171.5354, 152.8771

 0.0000, 0.3166,
0.0000

 158.2487,

 0.0000, 0.0000,

211.3277, 190.9735

0.0000

195.3517,
256.8422, 234.9250

■ 18.7157, 31.4188,
23.8169

■ 18.7157, 31.4188,
23.8169

■ 18.2292, 31.2023,
22.2800

■ 19.4772, 31.7714,
25.6929

■ 20.5400, 32.2764,
27.6840

■ 21.9441, 32.9550,
29.7943

■ 23.7224, 33.8241,
32.0269

■ 25.9037, 34.8987,
34.3845

■ 28.5141, 36.1921,
36.8699

■ 31.5773, 37.7166,
39.4855

■ 35.1154, 39.4833,
42.2338

■ 39.1489, 41.5030,
45.1172

Harmonies

Analogous

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



21.6133, 31.4188, 12.8352



18.7157, 31.4188, 23.8169



18.4923, 31.4188, 43.3115

Triad

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



18.7157, 31.4188, 23.8169



32.8913, 31.4188, 87.7939



41.0070, 31.4188, 14.1224

Complementary

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



18.7157, 31.4188, 23.8169



18.3596, 9.6082, 5.8894

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.



45.1387, 31.4188, 26.4817



18.7157, 31.4188, 23.8169



39.9820, 31.4188, 71.5335

Square

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



18.7157, 31.4188, 23.8169



25.9705, 31.4188, 86.1601



44.7366, 31.4188, 47.2563



34.1254, 31.4188, 8.9442

Rectangle

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



18.7157, 31.4188, 23.8169



19.8314, 31.4188, 59.5767



44.7366, 31.4188, 47.2563



42.8087, 31.4188, 17.3113

Sweetspot

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



18.7165, 31.4200, 23.8176



53.0810, 65.8178, 67.8068



17.2130, 31.0480, 5.5379



11.1613, 14.1176, 14.4069



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.7165, 31.4200, 23.8176



32.5448, 55.8392, 39.3659



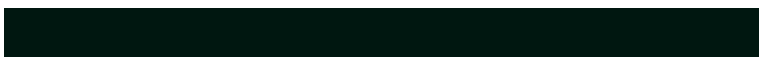
17.7192, 23.0767, 43.0571



8.1268, 9.0283, 9.6928



13.4183, 22.9326, 16.5082



0.3966, 0.6473, 0.5821

Inverse Universe

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



18.3596, 9.6082, 5.8894



32.0025, 16.3664, 7.4364



18.2202, 10.7185, 1.5608



8.1058, 8.0556, 8.8678



13.1862, 6.7370, 3.3601



0.3920, 0.1975, 0.2260

Previews

White Background



This preview shows how the XYZ color 18.7157, 31.4188, 23.8169 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 18.7157, 31.4188, 23.8169 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 18.7157, 31.4188, 23.8169

Background



This preview shows how black text looks on a background with the XYZ color 18.7157, 31.4188, 23.8169.



This preview shows how white text looks on a background with the XYZ color 18.7157, 31.4188,

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

18.7157, 31.4188, 23.8169

Protanopia

28.9475, 31.0069, 20.0820

Deuteranopia

31.3214, 30.7200, 25.0476



Tritanopia

23.5765, 31.4569, 47.4770

Trichromacy



Original Color

18.7157, 31.4188, 23.8169



Protanomaly

21.9157, 29.3318, 21.3362



Deuteranomaly

22.7546, 28.6880, 24.4167



Tritanomaly

21.4422, 31.3927, 37.7302

Monochromacy



Original Color

18.7157, 31.4188, 23.8169



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.1635, 21.6396, 21.4141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7157, 31.4188, 23.8169 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(15, 173, 123)` looks like.

```
.text, #text, p{  
    color:rgb(15, 173, 123)  
}
```

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(15, 173, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 173, 123) }
```

Border

The CSS property to change the border of an element to XYZ 18.7157, 31.4188, 23.8169 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(15, 173, 123) }
```


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

```
.border{ border-color:rgb(15, 173, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 173, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 173, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 173, 123);  
box-shadow:4px 4px 4px 4px rgb(15, 173,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7157, 31.4188, 23.8169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 173, 123) }
```

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

```
.background{ background-color: rgb(15, 173,  
123) }
```

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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