

Converting Colors

XYZ(19.1334, 31.1766, 26.7069)

Have a look what the booklet for
XYZ(19.1334, 31.1766, 26.7069)
contains.

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Color

**XYZ(19.2266, 31.3304,
26.8638)**

Conversions

Conversions Part 1

Format	Color
Hex	15AC84
RGB	21, 172, 132
RGB Percent	8%, 67%, 52%
CMY	0.9176, 0.3255, 0.4823
CMYK	0.88, 0.00, 0.23, 0.33
HSL	164°, 78%, 38%
HSV	164°, 88%, 67%
XYZ	19.2266, 31.3304, 26.8638
YIQ	122.2910, -77.1560, -44.4520

Conversions

Conversions Part 2

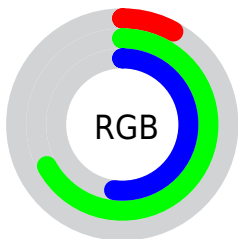
Format	Color
RYB	21, 108, 172
Decimal	1420420
CIELab	62.79, -46.08, 10.40
CIELCh	63, 47.240, 167.284
Yxy	31.3304, 0.2483, 0.4047
Android (android.graphics.Color)	4279610500 (0xFF15AC84)
YUV	122.2910, 4.7865, -88.8322
Hunter-Lab	55.9736, -36.6400, 10.7260

Details

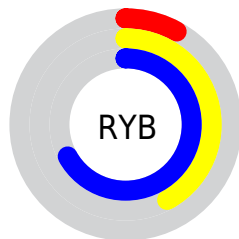
The XYZ color **19.2266, 31.3304, 26.8638** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.1248, 9.6446, 5.3226**, and the grayscale version is **18.5979, 19.5665, 21.3079**.

A 20% lighter version of the original color is **41.5374, 61.5863, 55.5970**, and **8.0398, 13.5814, 10.3813** is the 20% darker color. If you saturate the color by 10%, you get **18.6606, 31.0746, 25.2455**, and if you desaturate by 10%, it is **20.0438, 31.7157, 28.5664**.

Distribution



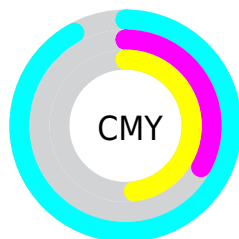
- Red (8%)
- Green (67%)
- Blue (52%)



- Red (8%)
- Yellow (42%)
- Blue (67%)



- Cyan (88%)
- Magenta (0%)
- Yellow (23%)
- Black (33%)



- Cyan (92%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2266, 31.3304, 26.8638 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 19.2266, 31.3304, 26.8638 by changing the saturation by 10% instead.

■ 19.2266, 31.3304,
26.8638

■ 19.2266, 31.3304,
26.8638

240.6110,
308.0576, 300.7363

■ 11.9391, 20.8506,
17.2394

■ 41.6306, 61.7599,
55.6663

■ 6.7741, 13.0148,
10.2416

■ 57.4778, 82.4783,
75.6815

■ 3.3663, 7.4387,
5.4517

■ 76.9089, 107.3784,
99.9974

■ 1.3503, 3.7380,
2.4513

■ 100.2893,
136.8446, 129.0326

■ 0.2204, 1.5281,
0.8142

■ 127.9844,
171.2612, 163.2055

■ 0.0000, 0.3084,
0.0000

■ 160.3594,

■ 0.0000, 0.0000,

211.0126, 202.9348

0.0000

197.7799,
256.4833, 248.6388

■ 19.2266, 31.3304,
26.8638

■ 19.2266, 31.3304,
26.8638

■ 18.6606, 31.0746,
25.2455

■ 20.0438, 31.7157,
28.5664

■ 18.5472, 31.0238,
24.8971

■ 21.1674, 32.2565,
30.3546

■ 22.6340, 32.9725,
32.2317

■ 24.4744, 33.8796,
34.2001

■ 26.7160, 34.9919,
36.2617

■ 29.3833, 36.3220,
38.4187

■ 32.4991, 37.8816,
40.6728

■ 36.0844, 39.6815,
43.0258

■ 40.1588, 41.7318,
45.4795

Harmonies

Analogous

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



21.5493, 31.3304, 15.2178



19.2266, 31.3304, 26.8638



19.4188, 31.3304, 45.8184

Triad

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



19.2266, 31.3304, 26.8638



33.6257, 31.3304, 80.6314



39.0294, 31.3304, 14.0763

Complementary

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



19.2266, 31.3304, 26.8638



18.1248, 9.6446, 5.3226

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.



43.2907, 31.3304, 24.5939



19.2266, 31.3304, 26.8638



39.8744, 31.3304, 64.4008

Square

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



19.2266, 31.3304, 26.8638



27.1261, 31.3304, 81.9414



43.6206, 31.3304, 42.5625



32.5986, 31.3304, 9.8413

Rectangle

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



19.2266, 31.3304, 26.8638



20.9449, 31.3304, 60.5345



43.6206, 31.3304, 42.5625



40.8011, 31.3304, 16.7765

Sweetspot

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



19.2275, 31.3316, 26.8645



54.0025, 66.2403, 70.2244



16.8299, 30.5611, 5.7217



11.3581, 14.2067, 14.9717



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.



19.2275, 31.3316, 26.8645



33.5505, 56.2414, 44.6618



16.6692, 20.9644, 42.1991



8.1444, 9.0353, 9.7853



13.8252, 23.0953, 18.6508



0.4056, 0.6509, 0.6293

Inverse Universe

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



18.1248, 9.6446, 5.3226



31.6657, 16.2317, 5.6629



18.5752, 11.6769, 1.9847



8.0891, 8.0489, 8.7801



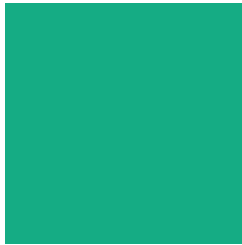
13.0412, 6.6790, 2.5966



0.3855, 0.1949, 0.1919

Previews

White Background



This preview shows how the XYZ color 19.2266, 31.3304, 26.8638 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 19.2266, 31.3304, 26.8638 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 19.2266, 31.3304, 26.8638

Background



This preview shows how black text looks on a background with the XYZ color 19.2266, 31.3304, 26.8638.

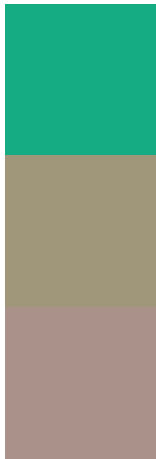


This preview shows how white text looks on a background with the XYZ color 19.2266, 31.3304,

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

19.2266, 31.3304, 26.8638

Protanopia

28.8547, 30.6668, 22.4876

Deuteranopia

31.2904, 30.6318, 28.3081



Tritanopia

23.4602, 31.3970, 47.4716

Trichromacy



Original Color

19.2266, 31.3304, 26.8638



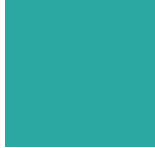
Protanomaly

22.2352, 29.1856, 23.8635



Deuteranomaly

23.3677, 28.9333, 27.6456



Tritanomaly

21.5629, 31.1494, 39.0584

Monochromacy



Original Color

19.2266, 31.3304, 26.8638



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.8903, 22.1938, 23.1323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2266, 31.3304, 26.8638 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(21, 172, 132)` looks like.

```
.text, #text, p{  
    color:rgb(21, 172, 132)  
}
```

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(21, 172, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 172, 132) }
```

Border

The CSS property to change the border of an element to XYZ 19.2266, 31.3304, 26.8638 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(21, 172, 132) }
```


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

```
.border{ border-color:rgb(21, 172, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 172, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 172, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 172, 132);  
box-shadow:4px 4px 4px 4px rgb(21, 172,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2266, 31.3304, 26.8638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 172, 132) }
```

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

```
.background{ background-color: rgb(21, 172,  
132) }
```

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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