

Converting Colors

XYZ(21.1091, 32.2433, 28.2521)

Have a look what the booklet for
XYZ(21.1091, 32.2433, 28.2521)
contains.

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Color

**XYZ(21.1831, 32.3068,
28.4119)**

Conversions

Conversions Part 1

Format	Color
Hex	3EAC88
RGB	62, 172, 136
RGB Percent	24%, 67%, 53%
CMY	0.7568, 0.3255, 0.4667
CMYK	0.64, 0.00, 0.21, 0.33
HSL	160°, 47%, 46%
HSV	160°, 64%, 67%
XYZ	21.1831, 32.3068, 28.4119
YIQ	135.0060, -54.0040, -34.5160

Conversions

Conversions Part 2

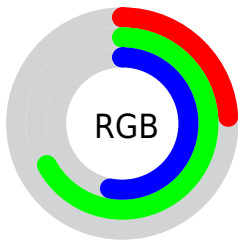
Format	Color
RYB	62, 128, 172
Decimal	4107400
CIELab	63.60, -39.94, 9.43
CIELCh	64, 41.036, 166.714
Yxy	32.3068, 0.2586, 0.3945
Android (android.graphics.Color)	4282297480 (0xFF3EAC88)
YUV	135.0060, 0.4900, -64.0263
Hunter-Lab	56.8391, -32.9440, 10.1503

Details

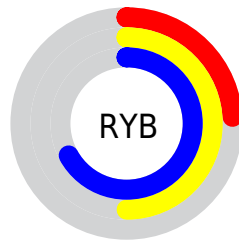
The XYZ color **21.1831, 32.3068, 28.4119** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.9416, 13.0986, 12.9812**, and the grayscale version is **23.0448, 24.2449, 26.4027**.

A 20% lighter version of the original color is **44.8139, 63.2259, 57.9860**, and **8.2765, 13.8655, 11.0442** is the 20% darker color. If you saturate the color by 10%, you get **19.8809, 31.6814, 26.3175**, and if you desaturate by 10%, it is **22.8494, 33.1192, 30.6345**.

Distribution



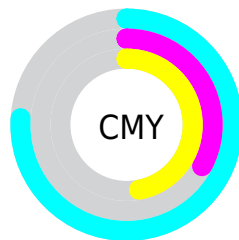
- Red (24%)
- Green (67%)
- Blue (53%)



- Red (24%)
- Yellow (50%)
- Blue (67%)



- Cyan (64%)
- Magenta (0%)
- Yellow (21%)
- Black (33%)





- Cyan (76%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1831, 32.3068, 28.4119 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 21.1831, 32.3068, 28.4119 by changing the saturation by 10% instead.


 21.1831, 32.3068,
28.4119

 21.1831, 32.3068,
28.4119


250.9633,
312.5145, 308.4036


 13.3711, 21.5959,
18.3946


 44.8810, 63.2917,
58.1724


 7.7634, 13.5603,
11.0613


 61.4977, 84.3346,
78.7527


 3.9944, 7.8155,
5.9934


 81.7800, 109.5903,
103.6911

 1.6990, 3.9771,
2.7723

 106.0933,
139.4432, 133.4062

 0.4556, 1.6608,
0.9796

 134.8029,
174.2776, 168.3164

 0.0000, 0.3981,
0.0000

168.2742,

 0.0000, 0.0000,

214.4781, 208.8403

0.0000

206.8726,
260.4289, 255.3965

■ 21.1831, 32.3068,
28.4119

■ 21.1831, 32.3068,
28.4119

■ 19.8809, 31.6814,
26.3175

■ 22.8494, 33.1192,
30.6345

■ 18.9064, 31.2216,
24.3458

■ 24.9066, 34.1298,
32.9860

■ 18.2199, 30.9080,
22.4939

■ 27.3819, 35.3534,
35.4700

■ 17.8885, 30.7604,
21.4287

■ 30.2994, 36.8025,
38.0893

■ 33.6811, 38.4883,
40.8463

■ 37.5477, 40.4215,
43.7435

■ 41.9185, 42.6120,
46.7834

■ 46.8118, 45.0692,
49.9681

■ 52.2449, 47.8019,
53.3000

Harmonies

Analogous

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



23.3640, 32.3068, 17.6736



21.1831, 32.3068, 28.4119



21.3166, 32.3068, 45.0549

Triad

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



21.1831, 32.3068, 28.4119



33.9858, 32.3068, 74.8804



38.8976, 32.3068, 16.8432

Complementary

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



21.1831, 32.3068, 28.4119



20.9416, 13.0986, 12.9812

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.



42.5144, 32.3068, 26.8593



21.1831, 32.3068, 28.4119



39.4460, 32.3068, 61.5510

Square

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



21.1831, 32.3068, 28.4119



28.2436, 32.3068, 75.6920



42.7267, 32.3068, 42.9379



33.3089, 32.3068, 12.5361

Rectangle

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



21.1831, 32.3068, 28.4119



22.6939, 32.3068, 57.6146



42.7267, 32.3068, 42.9379



40.4131, 32.3068, 19.4832

Sweetspot

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



21.1840, 32.3081, 28.4126



57.6875, 68.1183, 71.3720



20.7323, 32.4882, 9.7361



12.1766, 14.6242, 15.2122



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.



21.1840, 32.3081, 28.4126



35.2133, 57.0679, 46.1310



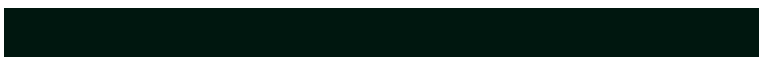
20.9347, 27.0053, 43.1404



8.1231, 9.0268, 9.6735



13.3375, 22.9003, 16.0830



0.3948, 0.6466, 0.5725

Inverse Universe

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



20.9416, 13.0986, 12.9812



34.7908, 19.4190, 16.1477



20.7769, 14.9056, 6.3400



8.1093, 8.0570, 8.8863



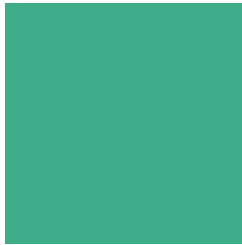
13.2201, 6.7506, 3.5387



0.3934, 0.1980, 0.2332

Previews

White Background



This preview shows how the XYZ color 21.1831, 32.3068, 28.4119 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 21.1831, 32.3068, 28.4119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

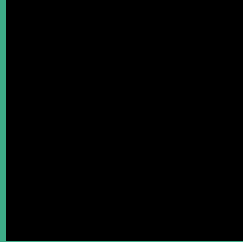
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.1831, 32.3068, 28.4119

Background



This preview shows how black text looks on a background with the XYZ color 21.1831, 32.3068, 28.4119.

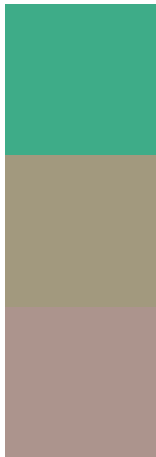


This preview shows how white text looks on a background with the XYZ color 21.1831, 32.3068,

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

21.1831, 32.3068, 28.4119

Protanopia

30.0574, 31.9702, 24.3253

Deuteranopia

32.4109, 31.8736, 29.6433



Tritanopia

25.0989, 32.2300, 48.0782

Trichromacy



Original Color

21.1831, 32.3068, 28.4119

Protanomaly

25.2043, 31.1889, 25.8108

Deuteranomaly

26.2329, 30.8836, 29.0046

Tritanomaly

23.4511, 32.1021, 40.0823

Monochromacy



Original Color

21.1831, 32.3068, 28.4119

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.1474, 26.1172, 26.8482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1831, 32.3068, 28.4119 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(62, 172, 136)` looks like.

```
.text, #text, p{  
    color:rgb(62, 172, 136)  
}
```

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(62, 172, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 172, 136) }
```

Border

The CSS property to change the border of an element to XYZ 21.1831, 32.3068, 28.4119 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(62, 172, 136) }
```


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

```
.border{ border-color:rgb(62, 172, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 172, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 172, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 172, 136);  
box-shadow:4px 4px 4px 4px rgb(62, 172,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1831, 32.3068, 28.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 172, 136) }
```

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

```
.background{ background-color: rgb(62, 172,  
136) }
```

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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