

Converting Colors

XYZ(12.7532, 31.4731, 31.2701)

Have a look what the booklet for
XYZ(12.7532, 31.4731, 31.2701)
contains.

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Color

**XYZ(22.0984, 36.2641,
31.8216)**

Conversions

Conversions Part 1

Format	Color
Hex	00B88F
RGB	0, 184, 143
RGB Percent	0%, 72%, 56%
CMY	0.9999, 0.2784, 0.4392
CMYK	1.00, 0.00, 0.22, 0.28
HSL	167°, 100%, 36%
HSV	167°, 100%, 72%
XYZ	22.0984, 36.2641, 31.8216
YIQ	124.3100, -96.5030, -51.7590

Conversions

Conversions Part 2

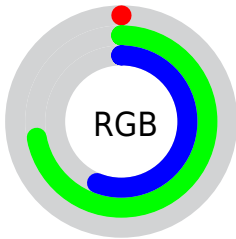
Format	Color
RYB	0, 104, 184
Decimal	47247
CIELab	66.72, -49.10, 9.90
CIELCh	67, 50.093, 168.603
Yxy	36.2641, 0.2450, 0.4021
Android (android.graphics.Color)	4278237327 (0xFF00B88F)
YUV	124.3100, 9.2142, -109.0199
Hunter-Lab	60.2197, -39.8815, 10.8234

Details

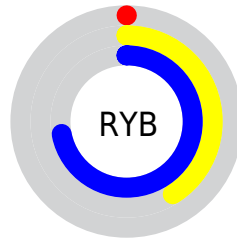
The XYZ color **22.0984, 36.2641, 31.8216** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.1687, 10.3514, 3.0349**, and the grayscale version is **19.2574, 20.2603, 22.0635**.

A 20% lighter version of the original color is **46.4631, 69.4832, 63.7861**, and **9.9584, 16.7556, 13.0652** is the 20% darker color. If you saturate the color by 10%, you get **22.0988, 36.2652, 31.8205**, and if you desaturate by 10%, it is **22.6730, 36.5246, 33.5008**.

Distribution



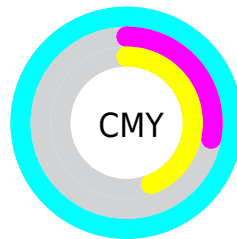
- Red (0%)
- Green (72%)
- Blue (56%)



- Red (0%)
- Yellow (41%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.0984, 36.2641, 31.8216 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 22.0984, 36.2641, 31.8216 by changing the saturation by 10% instead.


 22.0984, 36.2641,
31.8216


 22.0984, 36.2641,
31.8216


255.6824,
330.1134, 324.7734


 14.0462, 24.6382,
20.9616


 46.3862, 69.4395,
63.6260


 8.2347, 15.8077,
12.9050

 63.3526, 91.7578,
85.4074


 4.2986, 9.3882,
7.2332


 84.0210, 118.4091,
111.6664

 1.8724, 4.9952,
3.5277

 108.7570,
149.7777, 142.8214

 0.5607, 2.2445,
1.3700

 137.9257,
186.2480, 179.2911

 0.0000, 0.7441,
0.1181

 171.8926,

 0.0000, 0.0000,

228.2045, 221.4940

0.0000

211.0231,
276.0315, 269.8486

■ 22.0984, 36.2641,
31.8216

■ 22.0984, 36.2641,
31.8216

■ 22.0988, 36.2652,
31.8205

■ 22.6730, 36.5246,
33.5008

■ 23.5001, 36.9131,
35.2510

■ 24.6707, 37.4774,
37.0777

■ 26.2293, 38.2403,
38.9837

■ 28.2132, 39.2211,
40.9713

■ 30.6554, 40.4368,
43.0426

■ 33.5857, 41.9027,
45.1996

■ 37.0312, 43.6328,
47.4442

■ 41.0170, 45.6401,
49.7779

Harmonies

Analogous

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



24.6785, 36.2641, 17.8685



22.0984, 36.2641, 31.8216



22.4517, 36.2641, 54.3005

Triad

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



22.0984, 36.2641, 31.8216



39.3131, 36.2641, 93.4983



44.9944, 36.2641, 15.7764

Complementary

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



22.0984, 36.2641, 31.8216



20.1687, 10.3514, 3.0349

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.



50.1507, 36.2641, 27.6446



22.0984, 36.2641, 31.8216



46.5543, 36.2641, 73.8819

Square

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



22.0984, 36.2641, 31.8216



31.6763, 36.2641, 95.9234



50.7599, 36.2641, 48.2904



37.4190, 36.2641, 11.1315

Rectangle

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



22.0984, 36.2641, 31.8216



24.3160, 36.2641, 71.5475



50.7599, 36.2641, 48.2904



47.1128, 36.2641, 18.8002

Sweetspot

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



22.0994, 36.2655, 31.8225



60.5860, 75.8097, 81.7293



18.1354, 34.7947, 5.7608



12.5625, 16.0933, 17.2631



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.0994, 36.2655, 31.8225



39.9648, 65.7008, 57.1867



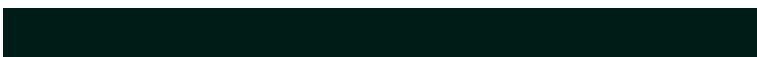
17.3081, 20.7725, 48.4462



9.1787, 10.1755, 11.0984



15.2572, 25.0038, 22.0743



0.5593, 0.8900, 0.8912

Inverse Universe

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



20.1687, 10.3514, 3.0349



36.4857, 18.7337, 5.1118



20.8698, 12.3943, 1.2930



9.0844, 9.0441, 9.7918



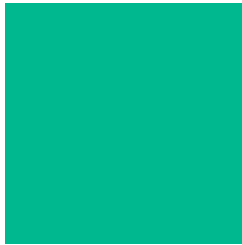
13.9218, 7.1425, 2.2090



0.5145, 0.2613, 0.2028

Previews

White Background



This preview shows how the XYZ color 22.0984, 36.2641, 31.8216 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 22.0984, 36.2641, 31.8216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

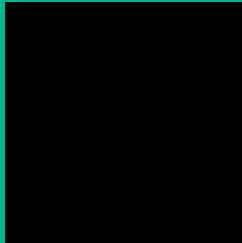
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.0984, 36.2641, 31.8216

Background



This preview shows how black text looks on a background with the XYZ color 22.0984, 36.2641, 31.8216.

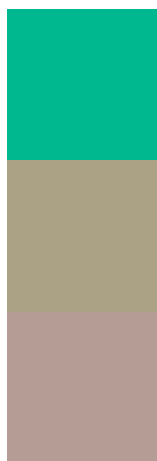


This preview shows how white text looks on a background with the XYZ color 22.0984, 36.2641,

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

22.0984, 36.2641, 31.8216

Protanopia

33.7043, 35.8136, 26.9661

Deuteranopia

36.3693, 35.7706, 33.4213



Tritanopia

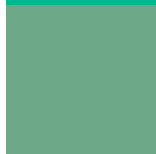
26.9239, 36.1199, 55.4220

Trichromacy



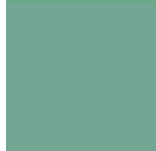
Original Color

22.0984, 36.2641, 31.8216



Protanomaly

24.9386, 33.4047, 28.4259



Deuteranomaly

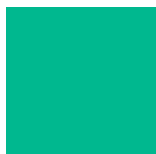
25.9729, 33.0239, 32.6091



Tritanomaly

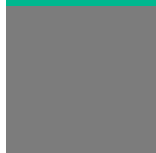
24.6888, 36.0736, 45.7061

Monochromacy



Original Color

22.0984, 36.2641, 31.8216



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.6001, 23.8587, 25.1503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0984, 36.2641, 31.8216 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(0, 184, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 143)  
}
```

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(0, 184, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 143) }
```

Border

The CSS property to change the border of an element to XYZ 22.0984, 36.2641, 31.8216 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(0, 184, 143) }
```


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

```
.border{ border-color:rgb(0, 184, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0984, 36.2641, 31.8216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 143) }
```

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

```
.background{ background-color: rgb(0, 184,  
143) }
```

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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