

Converting Colors

XYZ(21.3829, 32.8010, 36.6525)

Have a look what the booklet for
XYZ(21.3829, 32.8010, 36.6525)
contains.

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Color

**XYZ(21.3863, 32.8010,
36.6565)**

Conversions

Conversions Part 1

Format	Color
Hex	12AE9C
RGB	18, 174, 156
RGB Percent	7%, 68%, 61%
CMY	0.9293, 0.3176, 0.3882
CMYK	0.90, 0.00, 0.10, 0.32
HSL	173°, 81%, 38%
HSV	173°, 90%, 68%
XYZ	21.3863, 32.8010, 36.6565
YIQ	125.3040, -87.1980, -38.6700

Conversions

Conversions Part 2

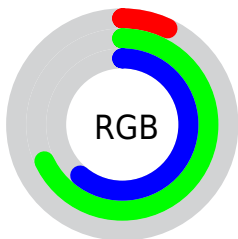
Format	Color
RYB	18, 101, 174
Decimal	1224348
CIELab	64.00, -40.71, -1.20
CIELCh	64, 40.729, 181.691
Yxy	32.8010, 0.2354, 0.3611
Android (android.graphics.Color)	4279414428 (0xFF12AE9C)
YUV	125.3040, 15.1331, -94.1056
Hunter-Lab	57.2722, -33.5716, 2.1425

Details

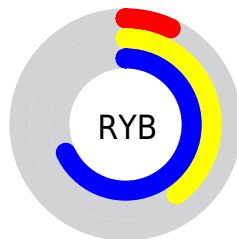
The XYZ color **21.3863, 32.8010, 36.6565** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.9916, 9.5598, 2.5678**, and the grayscale version is **19.5695, 20.5886, 22.4210**.

A 20% lighter version of the original color is **45.0753, 63.8994, 70.9309**, and **9.3872, 14.6947, 15.7062** is the 20% darker color. If you saturate the color by 10%, you get **20.9765, 32.6100, 35.7576**, and if you desaturate by 10%, it is **22.0164, 33.1068, 37.5818**.

Distribution



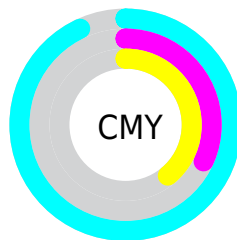
- Red (7%)
- Green (68%)
- Blue (61%)



- Red (7%)
- Yellow (40%)
- Blue (68%)



- Cyan (90%)
- Magenta (0%)
- Yellow (10%)
- Black (32%)



- Cyan (93%)
- Magenta (32%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3863, 32.8010, 36.6565 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 21.3863, 32.8010, 36.6565 by changing the saturation by 10% instead.

■ 21.3863, 32.8010,
36.6565

■ 21.3863, 32.8010,
36.6565

■ 252.0174,
314.7521, 346.9448

■ 13.5207, 21.9740,
24.6479

■ 45.2160, 64.0647,
71.2246

■ 7.8676, 13.8378,
15.5983

■ 61.9109, 85.2703,
94.6212

■ 4.0614, 8.0080,
9.0891

■ 82.2795, 110.7041,
122.6509

■ 1.7369, 4.1000,
4.7017

■ 106.6874,
140.7507, 155.7322

■ 0.4792, 1.7297,
2.0177

■ 135.4997,
175.7944, 194.2837

■ 0.0000, 0.4428,
0.5661

■ 169.0819,

■ 0.0000, 0.0000,

216.2196, 238.7240

0.0000

207.7994,
262.4107, 289.4715

■ 21.3863, 32.8010,
36.6565

■ 21.3863, 32.8010,
36.6565

■ 20.9765, 32.6100,
35.7576

■ 22.0164, 33.1068,
37.5818

■ 20.9628, 32.6036,
35.7259

■ 22.9421, 33.5638,
38.5350

■ 24.2022, 34.1930,
39.5186

■ 25.8292, 35.0110,
40.5343

■ 27.8516, 36.0324,
41.5835

■ 30.2950, 37.2706,
42.6674

■ 33.1831, 38.7376,
43.7871

■ 36.5374, 40.4447,
44.9439

■ 40.3784, 42.4024,
46.1386

Harmonies

Analogous

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



22.4266, 32.8010, 22.7138



21.3863, 32.8010, 36.6565



22.6894, 32.8010, 55.0474

Triad

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



21.3863, 32.8010, 36.6565



37.3475, 32.8010, 69.9666



36.7142, 32.8010, 14.4740

Complementary

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



21.3863, 32.8010, 36.6565



17.9916, 9.5598, 2.5678

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.



41.5528, 32.8010, 21.5388



21.3863, 32.8010, 36.6565



41.9489, 32.8010, 52.9177

Square

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



21.3863, 32.8010, 36.6565



31.5035, 32.8010, 77.5924



43.5739, 32.8010, 34.7892



30.8515, 32.8010, 12.5059

Rectangle

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



21.3863, 32.8010, 36.6565



24.8173, 32.8010, 66.7376



43.5739, 32.8010, 34.7892



38.5383, 32.8010, 16.1967

Sweetspot

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



21.3872, 32.8022, 36.6573



56.0151, 68.1434, 77.8263



15.9811, 30.6959, 5.6558



12.0891, 14.9625, 17.1494



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.



21.3872, 32.8022, 36.6573



37.9696, 59.1165, 64.5189



13.9310, 15.2668, 42.2583



8.1959, 9.0559, 10.0567



15.2180, 23.6525, 25.9852



0.4344, 0.6624, 0.7809

Inverse Universe

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



17.9916, 9.5598, 2.5678



31.8514, 16.3982, 2.4750



20.2767, 14.4650, 2.2965



8.0414, 8.0298, 8.5291



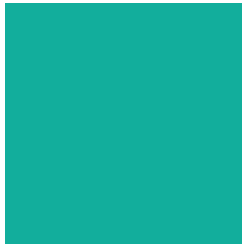
12.7647, 6.5684, 1.1404



0.3667, 0.1874, 0.0929

Previews

White Background



This preview shows how the XYZ color 21.3863, 32.8010, 36.6565 looks on a white background.

Color Contrast Check

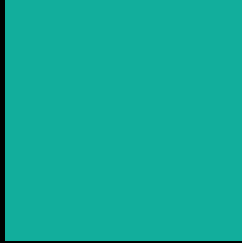
Large Text (above 18pt) WCAG AA × Fail

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 21.3863, 32.8010, 36.6565 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

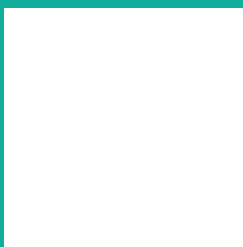
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3863, 32.8010, 36.6565

Background



This preview shows how black text looks on a background with the XYZ color 21.3863, 32.8010, 36.6565.

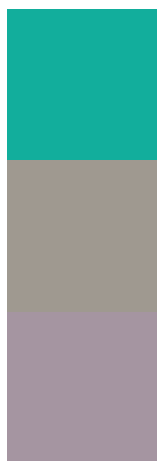


This preview shows how white text looks on a background with the XYZ color 21.3863, 32.8010,

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

21.3863, 32.8010, 36.6565

Protanopia

30.7233, 32.1670, 30.9751

Deuteranopia

32.6975, 32.0674, 38.1845



Tritanopia

24.1987, 32.8145, 50.4058

Trichromacy



Original Color

21.3863, 32.8010, 36.6565

Protanomaly

24.2745, 30.8160, 32.6857

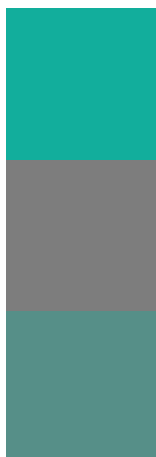
Deuteranomaly

25.1670, 30.4017, 37.3426

Tritanomaly

22.9304, 32.5569, 45.1199

Monochromacy



Original Color

21.3863, 32.8010, 36.6565

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.1041, 23.4009, 26.8552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3863, 32.8010, 36.6565 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(18, 174, 156)` looks like.

```
.text, #text, p{  
    color:rgb(18, 174, 156)  
}
```

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(18, 174, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 174, 156) }
```

Border

The CSS property to change the border of an element to XYZ 21.3863, 32.8010, 36.6565 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(18, 174, 156) }
```


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

```
.border{ border-color:rgb(18, 174, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 174, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 174, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 174, 156);  
box-shadow:4px 4px 4px 4px rgb(18, 174,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3863, 32.8010, 36.6565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 174, 156) }
```

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

```
.background{ background-color: rgb(18, 174,  
156) }
```

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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