

Converting Colors

XYZ(15.8691, 31.7267, 32.5651)

Have a look what the booklet for
XYZ(15.8691, 31.7267, 32.5651)
contains.

| | |
|--|----|
| XYZ(21.5096, 34.7178, 32.7617) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(21.5096, 34.7178,
32.7617)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00B492 |
| RGB | 0, 180, 146 |
| RGB Percent | 0%, 71%, 57% |
| CMY | 0.9999, 0.2941, 0.4274 |
| CMYK | 1.00, 0.00, 0.19, 0.29 |
| HSL | 169°, 100%, 35% |
| HSV | 169°, 100%, 71% |
| XYZ | 21.5096, 34.7178, 32.7617 |
| YIQ | 122.3040, -96.3660, -48.7340 |

Conversions

Conversions Part 2

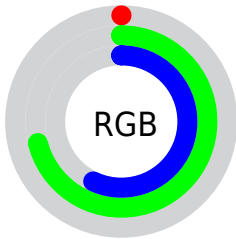
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 99, 180 |
| Decimal | 46226 |
| CIELab | 65.53, -46.72, 6.55 |
| CIELCh | 66, 47.175, 172.022 |
| Yxy | 34.7178, 0.2417, 0.3901 |
| Android (android.graphics.Color) | 4278236306 (0xFF00B492) |
| YUV | 122.3040, 11.6821, -107.2606 |
| Hunter-Lab | 58.9218, -37.9512, 8.2788 |

Details

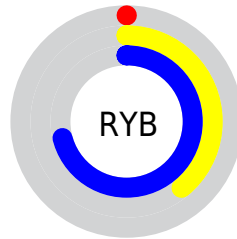
The XYZ color **21.5096, 34.7178, 32.7617** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.1124, 9.8199, 2.4036**, and the grayscale version is **18.5866, 19.5546, 21.2949**.

A 20% lighter version of the original color is **45.5334, 67.2253, 65.2195**, and **9.5722, 15.7662, 13.6050** is the 20% darker color. If you saturate the color by 10%, you get **21.5098, 34.7188, 32.7604**, and if you desaturate by 10%, it is **22.0288, 34.9553, 34.1884**.

Distribution



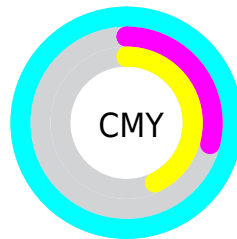
- Red (0%)
- Green (71%)
- Blue (57%)



- Red (0%)
- Yellow (39%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (29%)




- Cyan (100%)
- Magenta (29%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5096, 34.7178, 32.7617 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 21.5096, 34.7178, 32.7617 by changing the saturation by 10% instead.


 21.5096, 34.7178,
32.7617


 21.5096, 34.7178,
32.7617


252.6553,
323.3210, 329.1736


 13.6116, 23.4456,
21.6743


 45.4190, 67.0484,
65.1150


 7.9309, 14.9229,
13.4218

 62.1612, 88.8755,
87.2181


 4.1022, 8.7653,
7.5855


 82.5821, 114.9897,
113.8301

 1.7601, 4.5884,
3.7469

 107.0471,
145.7754, 145.3696

 0.4935, 2.0078,
1.4876

 135.9215,
181.6170, 182.2552

 0.0000, 0.6120,
0.2086

 169.5708,

 0.0000, 0.0000,

222.8988, 224.9053

0.0000

208.3603,
270.0054, 273.7386

■ 21.5096, 34.7178,
32.7617

■ 21.5096, 34.7178,
32.7617

■ 21.5098, 34.7188,
32.7604

■ 22.0288, 34.9553,
34.1884

■ 22.7838, 35.3126,
35.6669

■ 23.8626, 35.8358,
37.2022

■ 25.3070, 36.5466,
38.7968

■ 27.1523, 37.4632,
40.4526

■ 29.4298, 38.6016,
42.1714

■ 32.1676, 39.9764,
43.9548

■ 35.3913, 41.6007,
45.8044

■ 39.1248, 43.4868,
47.7217

Harmonies

Analogous

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



23.5923, 34.7178, 18.8853



21.5096, 34.7178, 32.7617



22.1481, 34.7178, 53.9441

Triad

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



21.5096, 34.7178, 32.7617



38.2363, 34.7178, 85.2003



41.8701, 34.7178, 15.0378

Complementary

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



21.5096, 34.7178, 32.7617



19.1124, 9.8199, 2.4036

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.



46.9147, 34.7178, 25.2513



21.5096, 34.7178, 32.7617



44.6211, 34.7178, 66.3917

Square

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



21.5096, 34.7178, 32.7617



31.1879, 34.7178, 89.4080



47.9861, 34.7178, 43.3340



34.8772, 34.7178, 11.2497

Rectangle

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



21.5096, 34.7178, 32.7617



24.0776, 34.7178, 69.4322



47.9861, 34.7178, 43.3340



43.8880, 34.7178, 17.6192

Sweetspot

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



21.5106, 34.7191, 32.7625



58.0409, 72.3405, 79.5230



17.0503, 33.0191, 5.4755



12.0813, 15.4024, 16.8953



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.5106, 34.7191, 32.7625



38.9188, 62.9178, 58.9685



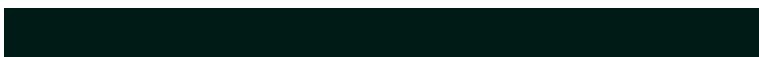
15.7010, 18.2198, 45.8707



8.6724, 9.6035, 10.5347



15.0353, 24.2401, 22.9867



0.4908, 0.7698, 0.8168

Inverse Universe

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



19.1124, 9.8199, 2.4036



34.5897, 17.7784, 4.0231



20.1432, 12.3439, 1.3217



8.5598, 8.5306, 9.1803



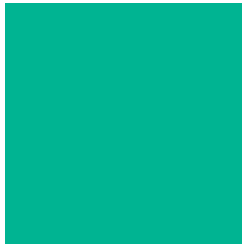
13.3575, 6.8605, 1.7764



0.4397, 0.2236, 0.1583

Previews

White Background



This preview shows how the XYZ color 21.5096, 34.7178, 32.7617 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 21.5096, 34.7178, 32.7617 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

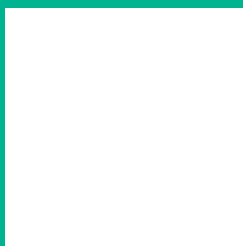
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5096, 34.7178, 32.7617

Background



This preview shows how black text looks on a background with the XYZ color 21.5096, 34.7178, 32.7617.



This preview shows how white text looks on a background with the XYZ color 21.5096, 34.7178,

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

21.5096, 34.7178, 32.7617

Protanopia

32.3259, 34.3100, 27.8404

Deuteranopia

34.9632, 34.2796, 34.4796



Tritanopia

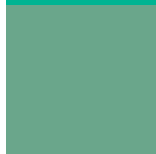
25.6814, 34.6598, 52.9134

Trichromacy



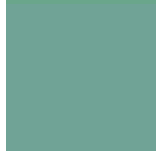
Original Color

21.5096, 34.7178, 32.7617



Protanomaly

24.2403, 32.2007, 29.3639



Deuteranomaly

25.2843, 31.8411, 33.6675



Tritanomaly

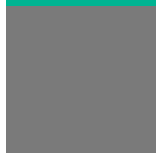
23.7278, 34.4079, 44.9260

Monochromacy



Original Color

21.5096, 34.7178, 32.7617



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.0611, 22.9033, 24.9943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5096, 34.7178, 32.7617 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, 180, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 146)  
}
```

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, 180, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 146) }
```

Border

The CSS property to change the border of an element to XYZ 21.5096, 34.7178, 32.7617 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, 180, 146) }
```


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

```
.border{ border-color:rgb(0, 180, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5096, 34.7178, 32.7617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 146) }
```

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

```
.background{ background-color: rgb(0, 180,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor