

Converting Colors

XYZ(21.2267, 31.9064, 34.7456)

Have a look what the booklet for
XYZ(21.2267, 31.9064, 34.7456)
contains.

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Color

**XYZ(21.2267, 31.9064,
34.7456)**

Conversions

Conversions Part 1

Format	Color
Hex	2BAB98
RGB	43, 171, 152
RGB Percent	17%, 67%, 60%
CMY	0.8313, 0.3294, 0.4039
CMYK	0.75, 0.00, 0.11, 0.33
HSL	171°, 60%, 42%
HSV	171°, 75%, 67%
XYZ	21.2267, 31.9064, 34.7456
YIQ	130.5620, -70.1890, -33.0450

Conversions

Conversions Part 2

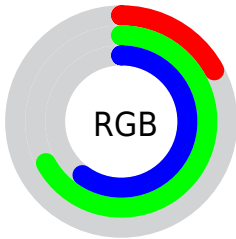
Format	Color
RYB	43, 112, 171
Decimal	2861976
CIELab	63.27, -38.31, -0.01
CIElCh	63, 38.306, 180.010
Yxy	31.9064, 0.2415, 0.3631
Android (android.graphics.Color)	4281052056 (0xFF2BAB98)
YUV	130.5620, 10.5689, -76.7919
Hunter-Lab	56.4858, -31.7718, 3.0695

Details

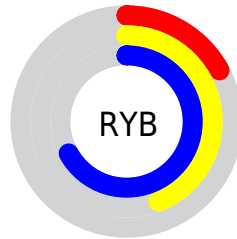
The XYZ color **21.2267, 31.9064, 34.7456** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.5291, 10.7345, 5.6541**, and the grayscale version is **21.4000, 22.5145, 24.5183**.

A 20% lighter version of the original color is **44.9163, 62.6456, 68.1170**, and **8.8274, 13.8965, 14.5289** is the 20% darker color. If you saturate the color by 10%, you get **20.4489, 31.5300, 33.6360**, and if you desaturate by 10%, it is **22.3113, 32.4420, 35.8942**.

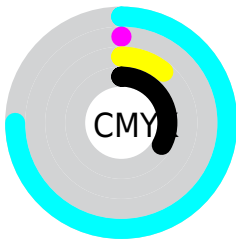
Distribution



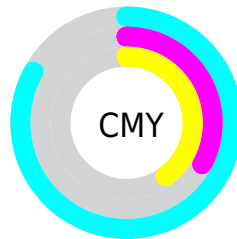
- Red (17%)
- Green (67%)
- Blue (60%)



- Red (17%)
- Yellow (44%)
- Blue (67%)



- Cyan (75%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)



- Cyan (83%)
- Magenta (33%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2267, 31.9064, 34.7456 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 21.2267, 31.9064, 34.7456 by changing the saturation by 10% instead.

■ 21.2267, 31.9064,
34.7456

■ 21.2267, 31.9064,
34.7456

251.1898,
310.6927, 338.3141

■ 13.4032, 21.2900,
23.1850

■ 44.9530, 62.6643,
68.2386

■ 7.7857, 13.3362,
14.5236

■ 61.5864, 83.5747,
91.0080

■ 4.0088, 7.6604,
8.3428

■ 81.8873, 108.6851,
118.3508

■ 1.7071, 3.8784,
4.2242

■ 106.2209,
138.3800, 150.6855

■ 0.4607, 1.6058,
1.7491

■ 134.9526,
173.0439, 188.4306

■ 0.0000, 0.3615,
0.3941

168.4478,

■ 0.0000, 0.0000,

213.0610, 232.0047

0.0000

207.0717,
258.8158, 281.8264

■ 21.2267, 31.9064,
34.7456

■ 21.2267, 31.9064,
34.7456

■ 20.4489, 31.5300,
33.6360

■ 22.3113, 32.4420,
35.8942

■ 19.9342, 31.2879,
32.5611

■ 23.7333, 33.1503,
37.0813

■ 19.7219, 31.1902,
32.0190

■ 25.5229, 34.0475,
38.3090

■ 27.7060, 35.1471,
39.5789

■ 30.3060, 36.4611,
40.8920

■ 33.3448, 38.0007,
42.2496

■ 36.8424, 39.7764,
43.6528

■ 40.8178, 41.7978,
45.1025

■ 45.2889, 44.0742,
46.5998

Harmonies

Analogous

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



22.3216, 31.9064, 22.0888



21.2267, 31.9064, 34.7456



22.3231, 31.9064, 51.4953

Triad

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



21.2267, 31.9064, 34.7456



35.7191, 31.9064, 66.6739



35.7158, 31.9064, 15.0844

Complementary

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



21.2267, 31.9064, 34.7456



18.5291, 10.7345, 5.6541

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.



40.0442, 31.9064, 22.0825



21.2267, 31.9064, 34.7456



40.0463, 31.9064, 51.4841

Square

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



21.2267, 31.9064, 34.7456



30.3278, 31.9064, 72.9067



41.7127, 31.9064, 34.7357



30.3243, 31.9064, 12.9510

Rectangle

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



21.2267, 31.9064, 34.7456



24.2318, 31.9064, 62.2726



41.7127, 31.9064, 34.7357



37.3650, 31.9064, 16.8215

Sweetspot

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



21.2276, 31.9076, 34.7464



55.5395, 65.9380, 73.8239



16.9992, 30.3321, 7.2450



12.0858, 14.5527, 16.3229



82.5889, 86.8899, 94.6231



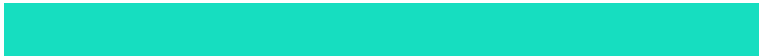
15.4596, 16.2647, 17.7123

Same Dimension

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



21.2276, 31.9076, 34.7464



35.9540, 56.1506, 58.9339



15.8346, 18.4282, 41.2518



8.1844, 9.0513, 9.9963



14.8822, 23.5181, 24.2169



0.4276, 0.6597, 0.7455

Inverse Universe

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



18.5291, 10.7345, 5.6541



30.9847, 16.3332, 4.7478



20.7052, 15.7804, 4.2409



8.0519, 8.0340, 8.5841



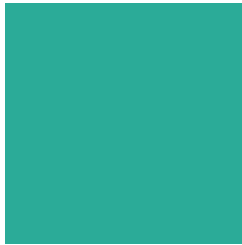
12.8087, 6.5860, 1.3722



0.3709, 0.1890, 0.1148

Previews

White Background



This preview shows how the XYZ color 21.2267, 31.9064, 34.7456 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 21.2267, 31.9064, 34.7456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

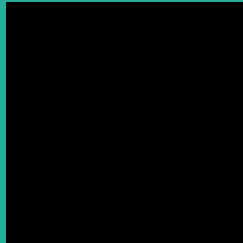
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

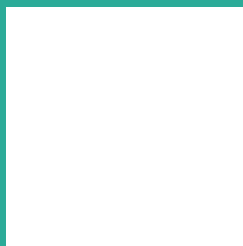
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2267, 31.9064, 34.7456

Background



This preview shows how black text looks on a background with the XYZ color 21.2267, 31.9064, 34.7456.

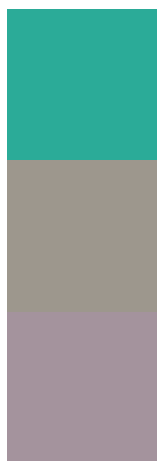


This preview shows how white text looks on a background with the XYZ color 21.2267, 31.9064,

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

21.2267, 31.9064, 34.7456

Protanopia

29.7790, 31.2244, 29.6567

Deuteranopia

31.8294, 31.1943, 36.2418



Tritanopia

23.9204, 31.8934, 48.0753

Trichromacy



Original Color

21.2267, 31.9064, 34.7456

Protanomaly

24.5402, 30.2111, 31.3260

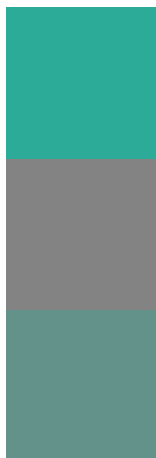
Deuteranomaly

25.5506, 30.1366, 35.4806

Tritanomaly

22.7797, 31.6918, 42.9467

Monochromacy



Original Color

21.2267, 31.9064, 34.7456

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.0847, 25.0745, 28.2074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2267, 31.9064, 34.7456 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(43, 171, 152)` looks like.

```
.text, #text, p{  
    color:rgb(43, 171, 152)  
}
```

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(43, 171, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 171, 152) }
```

Border

The CSS property to change the border of an element to XYZ 21.2267, 31.9064, 34.7456 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(43, 171, 152) }
```


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

```
.border{ border-color:rgb(43, 171, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 171, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 171, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 171, 152);  
box-shadow:4px 4px 4px 4px rgb(43, 171,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2267, 31.9064, 34.7456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 171, 152) }
```

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

```
.background{ background-color: rgb(43, 171,  
152) }
```

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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