

Converting Colors

XYZ(20.9196, 31.7477, 34.8459)

Have a look what the booklet for
XYZ(20.9196, 31.7477, 34.8459)
contains.

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Color

**XYZ(20.8901, 31.7329,
34.7298)**

Conversions

Conversions Part 1

Format	Color
Hex	22AB98
RGB	34, 171, 152
RGB Percent	13%, 67%, 60%
CMY	0.8666, 0.3294, 0.4039
CMYK	0.80, 0.00, 0.11, 0.33
HSL	172°, 67%, 40%
HSV	172°, 80%, 67%
XYZ	20.8901, 31.7329, 34.7298
YIQ	127.8710, -75.5530, -34.9530

Conversions

Conversions Part 2

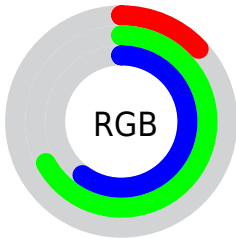
Format	Color
RYB	34, 108, 171
Decimal	2272152
CIELab	63.12, -39.30, -0.23
CIELCh	63, 39.299, 180.341
Yxy	31.7329, 0.2391, 0.3633
Android (android.graphics.Color)	4280462232 (0xFF22AB98)
YUV	127.8710, 11.8956, -82.3249
Hunter-Lab	56.3320, -32.3861, 2.8789

Details

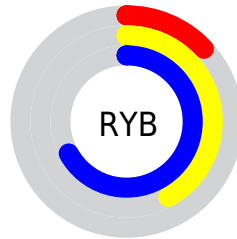
The XYZ color **20.8901, 31.7329, 34.7298** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.0103, 10.0599, 4.3620**, and the grayscale version is **20.4533, 21.5184, 23.4336**.

A 20% lighter version of the original color is **44.3186, 62.3375, 68.0890**, and **8.8274, 13.8965, 14.5289** is the 20% darker color. If you saturate the color by 10%, you get **20.2682, 31.4353, 33.6973**, and if you desaturate by 10%, it is **21.7981, 32.1790, 35.7974**.

Distribution



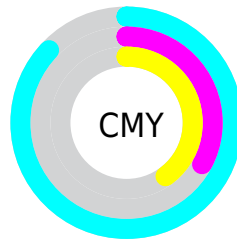
- Red (13%)
- Green (67%)
- Blue (60%)



- Red (13%)
- Yellow (42%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8901, 31.7329, 34.7298 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 20.8901, 31.7329, 34.7298 by changing the saturation by 10% instead.

■ 20.8901, 31.7329,
34.7298

■ 20.8901, 31.7329,
34.7298

249.4366,
309.9007, 338.2420

■ 13.1557, 21.1576,
23.1729

■ 44.3972, 62.3921,
68.2138

■ 7.6136, 13.2392,
14.5147

■ 60.9006, 83.2448,
90.9780

■ 3.8984, 7.5935,
8.3367

■ 81.0578, 108.2921,
118.3150

■ 1.6448, 3.8359,
4.2203

■ 105.2340,
137.9183, 150.6435

■ 0.4214, 1.5822,
1.7470

■ 133.7946,
172.5079, 188.3819

■ 0.0000, 0.3456,
0.3926

167.1050,

■ 0.0000, 0.0000,

212.4452, 231.9487

0.0000

205.5306,
258.1147, 281.7626

■ 20.8901, 31.7329,
34.7298

■ 20.8901, 31.7329,
34.7298

■ 20.2682, 31.4353,
33.6973

■ 21.7981, 32.1790,
35.7974

■ 19.8522, 31.2424,
32.7049

■ 23.0260, 32.7890,
36.8996

■ 24.6061, 33.5799,
38.0388

■ 26.5657, 34.5661,
39.2164

■ 28.9297, 35.7603,
40.4337

■ 31.7205, 37.1741,
41.6918

■ 34.9592, 38.8183,
42.9918

■ 38.6654, 40.7030,
44.3347

■ 42.8572, 42.8376,
45.7216

Harmonies

Analogous

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



21.9776, 31.7329, 21.7818



20.8901, 31.7329, 34.7298



22.0279, 31.7329, 51.9373

Triad

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



20.8901, 31.7329, 34.7298



35.7406, 31.7329, 67.2608



35.6204, 31.7329, 14.5569

Complementary

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



20.8901, 31.7329, 34.7298



18.0103, 10.0599, 4.3620

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.



40.0842, 31.7329, 21.5562



20.8901, 31.7329, 34.7298



40.1592, 31.7329, 51.5344

Square

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



20.8901, 31.7329, 34.7298



30.2233, 31.7329, 73.8399



41.8351, 31.7329, 34.3743



30.0991, 31.7329, 12.4674

Rectangle

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



20.8901, 31.7329, 34.7298



23.9842, 31.7329, 63.0156



41.8351, 31.7329, 34.3743



37.3169, 31.7329, 16.2847

Sweetspot

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



20.8910, 31.7341, 34.7306



54.5563, 65.4332, 73.6845



16.4037, 30.0422, 6.4482



11.7862, 14.3994, 16.2583



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.



20.8910, 31.7341, 34.7306



35.7413, 56.0397, 58.9822



15.1007, 17.4602, 41.1037



8.1878, 9.0527, 10.0141



14.9796, 23.5571, 24.7298



0.4296, 0.6605, 0.7558

Inverse Universe

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



18.0103, 10.0599, 4.3620



30.5312, 15.8412, 3.3175



20.0981, 14.8019, 3.3118



8.0488, 8.0328, 8.5679



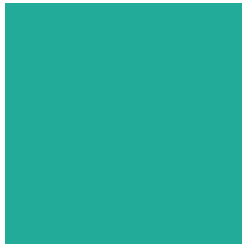
12.7948, 6.5805, 1.2989



0.3696, 0.1885, 0.1083

Previews

White Background



This preview shows how the XYZ color 20.8901, 31.7329, 34.7298 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 20.8901, 31.7329, 34.7298 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

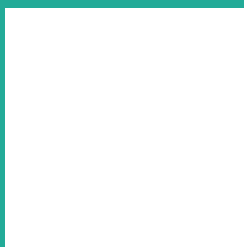
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8901, 31.7329, 34.7298

Background



This preview shows how black text looks on a background with the XYZ color 20.8901, 31.7329, 34.7298.

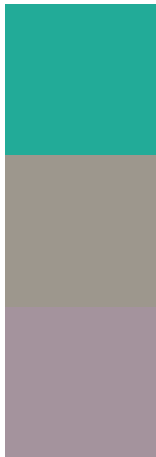


This preview shows how white text looks on a background with the XYZ color 20.8901, 31.7329,

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

20.8901, 31.7329, 34.7298

Protanopia

29.7790, 31.2244, 29.6567

Deuteranopia

31.8294, 31.1943, 36.2418



Tritanopia

23.5783, 31.7170, 48.0593

Trichromacy



Original Color

20.8901, 31.7329, 34.7298

Protanomaly

24.0198, 29.9428, 31.3016

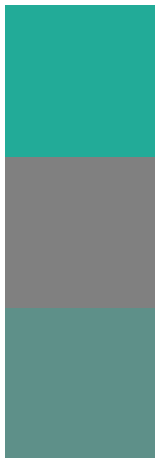
Deuteranomaly

25.1410, 29.9254, 35.4615

Tritanomaly

22.4306, 31.5119, 42.9304

Monochromacy



Original Color

20.8901, 31.7329, 34.7298

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.1047, 24.1323, 27.3180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8901, 31.7329, 34.7298 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(34, 171, 152)` looks like.

```
.text, #text, p{  
    color:rgb(34, 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(34, 171, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 171, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.8901, 31.7329, 34.7298 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(34, 171, 152) }
```


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

```
.border{ border-color:rgb(34, 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(34, 171, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 171, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 171, 152);  
box-shadow:4px 4px 4px 4px rgb(34, 171,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8901, 31.7329, 34.7298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 171, 152) }
```

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

```
.background{ background-color: rgb(34, 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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