

Converting Colors

XYZ(20.2549, 34.0573, 30.5116)

Have a look what the booklet for
XYZ(20.2549, 34.0573, 30.5116)
contains.

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Color

**XYZ(21.1290, 34.5656,
30.7575)**

Conversions

Conversions Part 1

Format	Color
Hex	00B48D
RGB	0, 180, 141
RGB Percent	0%, 71%, 55%
CMY	0.9999, 0.2941, 0.4471
CMYK	1.00, 0.00, 0.22, 0.29
HSL	167°, 100%, 35%
HSV	167°, 100%, 71%
XYZ	21.1290, 34.5656, 30.7575
YIQ	121.7340, -94.7610, -50.2890

Conversions

Conversions Part 2

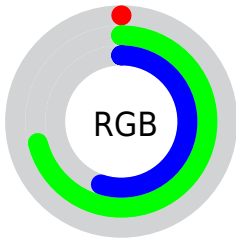
Format	Color
RYB	0, 101, 180
Decimal	46221
CIELab	65.41, -48.01, 9.13
CIELCh	65, 48.873, 169.231
Yxy	34.5656, 0.2444, 0.3998
Android (android.graphics.Color)	4278236301 (0xFF00B48D)
YUV	121.7340, 9.4981, -106.7607
Hunter-Lab	58.7925, -38.7371, 10.1370

Details

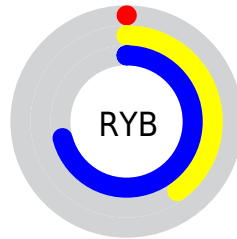
The XYZ color **21.1290, 34.5656, 30.7575** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.1899, 9.8508, 2.8116**, and the grayscale version is **18.4068, 19.3654, 21.0889**.

A 20% lighter version of the original color is **44.8538, 66.9414, 62.1867**, and **9.3492, 15.6770, 12.4307** is the 20% darker color. If you saturate the color by 10%, you get **21.1293, 34.5666, 30.7563**, and if you desaturate by 10%, it is **21.6750, 34.8138, 32.3259**.

Distribution



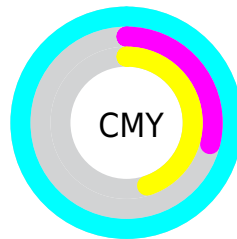
- Red (0%)
- Green (71%)
- Blue (55%)



- Red (0%)
- Yellow (40%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1290, 34.5656, 30.7575 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 21.1290, 34.5656, 30.7575 by changing the saturation by 10% instead.


 21.1290, 34.5656,
30.7575


 21.1290, 34.5656,
30.7575


250.6820,
322.6467, 319.7361


 13.3313, 23.3284,
20.1573


 44.7918, 66.8123,
61.9332


 7.7357, 14.8362,
12.3243


 61.3876, 88.5906,
83.3458


 3.9767, 8.7045,
6.8397


 81.6469, 114.6514,
109.1996

 1.6889, 4.5490,
3.2851

 105.9349,
145.3791, 139.9132

 0.4493, 1.9851,
1.2420

 134.6171,
181.1581, 175.9051

 0.0000, 0.5988,
0.0135

 168.0588,

 0.0000, 0.0000,

222.3727, 217.5939

0.0000

206.6253,
269.4075, 265.3980

■ 21.1290, 34.5656,
30.7575

■ 21.1290, 34.5656,
30.7575

■ 21.1293, 34.5666,
30.7563

■ 21.6750, 34.8138,
32.3259

■ 22.4593, 35.1828,
33.9585

■ 23.5697, 35.7187,
35.6609

■ 25.0482, 36.4431,
37.4354

■ 26.9301, 37.3743,
39.2843

■ 29.2467, 38.5284,
41.2094

■ 32.0262, 39.9198,
43.2127

■ 35.2942, 41.5618,
45.2959

■ 39.0745, 43.4666,
47.4604

Harmonies

Analogous

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



23.5153, 34.5656, 17.3582



21.1290, 34.5656, 30.7575



21.5220, 34.5656, 52.1268

Triad

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



21.1290, 34.5656, 30.7575



37.5855, 34.5656, 88.2979



42.6578, 34.5656, 15.0232

Complementary

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



21.1290, 34.5656, 30.7575



19.1899, 9.8508, 2.8116

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.



47.5942, 34.5656, 26.1155



21.1290, 34.5656, 30.7575



44.3851, 34.5656, 69.5887

Square

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



21.1290, 34.5656, 30.7575



30.3547, 34.5656, 90.9751



48.2685, 34.5656, 45.4706



35.4860, 34.5656, 10.7191

Rectangle

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



21.1290, 34.5656, 30.7575



23.3262, 34.5656, 68.3772



48.2685, 34.5656, 45.4706



44.6753, 34.5656, 17.8456

Sweetspot

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



21.1300, 34.5669, 30.7583



57.7814, 72.2367, 78.1565



17.2776, 33.1363, 5.4860



12.0183, 15.3773, 16.5637



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.



21.1300, 34.5669, 30.7583



38.2208, 62.6386, 55.2930



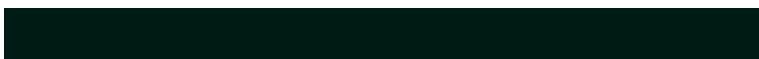
16.4912, 19.8003, 46.1342



8.6622, 9.5994, 10.4810



14.7720, 24.1348, 21.6000



0.4845, 0.7672, 0.7832

Inverse Universe

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



19.1899, 9.8508, 2.8116



34.7230, 17.8317, 4.7250



19.8809, 11.8191, 1.2341



8.5692, 8.5344, 9.2301



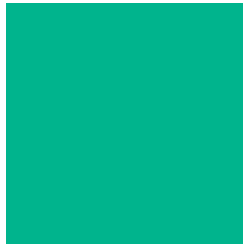
13.4136, 6.8830, 2.0718



0.4436, 0.2252, 0.1788

Previews

White Background



This preview shows how the XYZ color 21.1290, 34.5656, 30.7575 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 21.1290, 34.5656, 30.7575 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

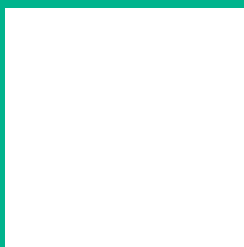
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1290, 34.5656, 30.7575

Background



This preview shows how black text looks on a background with the XYZ color 21.1290, 34.5656, 30.7575.

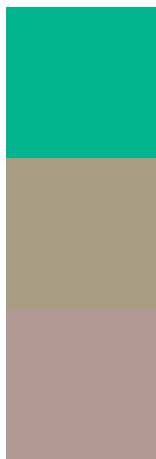


This preview shows how white text looks on a background with the XYZ color 21.1290, 34.5656,

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

21.1290, 34.5656, 30.7575

Protanopia

32.0226, 33.9411, 25.9826

Deuteranopia

34.6262, 33.9102, 32.3241



Tritanopia

25.7887, 34.7152, 52.9184

Trichromacy



Original Color

21.1290, 34.5656, 30.7575



Protanomaly

23.7021, 31.6957, 27.4229



Deuteranomaly

24.8412, 31.3957, 31.5388



Tritanomaly

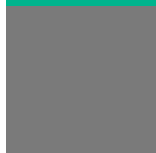
23.5692, 34.3483, 43.9157

Monochromacy



Original Color

21.1290, 34.5656, 30.7575



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.9268, 22.8496, 24.2872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1290, 34.5656, 30.7575 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 141) }
```

Border

The CSS property to change the border of an element to XYZ 21.1290, 34.5656, 30.7575 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, 141) }
```


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

```
.border{ border-color:rgb(0, 180, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1290, 34.5656, 30.7575 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, 141) }
```

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

```
.background{ background-color: rgb(0, 180,  
141) }
```

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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