

Converting Colors

XYZ(7.4663, 28.0712, 29.5850)

Have a look what the booklet for
XYZ(7.4663, 28.0712, 29.5850)
contains.

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Color

**XYZ(21.3881, 35.3200,
30.1163)**

Conversions

Conversions Part 1

Format	Color
Hex	00B68B
RGB	0, 182, 139
RGB Percent	0%, 71%, 55%
CMY	1.0000, 0.2863, 0.4549
CMYK	1.00, 0.00, 0.24, 0.29
HSL	166°, 100%, 36%
HSV	166°, 100%, 71%
XYZ	21.3881, 35.3200, 30.1163
YIQ	122.6800, -94.6690, -51.9570

Conversions

Conversions Part 2

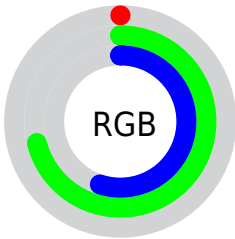
Format	Color
RYB	0, 103, 182
Decimal	46731
CIELab	66.00, -49.31, 11.06
CIElCh	66, 50.539, 167.354
Yxy	35.3200, 0.2463, 0.4068
Android (android.graphics.Color)	4278236811 (0xFF00B68B)
YUV	122.6800, 8.0458, -107.5904
Hunter-Lab	59.4306, -39.7644, 11.5564

Details

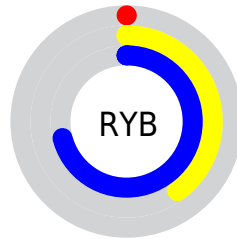
The XYZ color **21.3881, 35.3200, 30.1163** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.7286, 10.1203, 3.2005**, and the grayscale version is **18.7198, 19.6947, 21.4475**.

A 20% lighter version of the original color is **45.3160, 68.0701, 61.2025**, and **9.5223, 16.1596, 12.0684** is the 20% darker color. If you saturate the color by 10%, you get **21.3887, 35.3212, 30.1160**, and if you desaturate by 10%, it is **21.9629, 35.5802, 31.8169**.

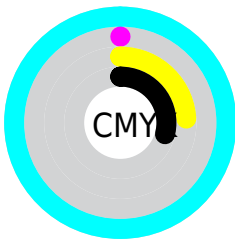
Distribution



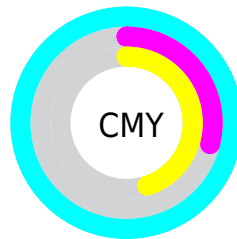
- Red (0%)
- Green (71%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (29%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3881, 35.3200, 30.1163 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 21.3881, 35.3200, 30.1163 by changing the saturation by 10% instead.


 21.3881, 35.3200,
30.1163


 21.3881, 35.3200,
30.1163


252.0268,
325.9785, 316.6703


 13.5221, 23.9095,
19.6741


 45.2190, 67.9812,
60.9092


 7.8685, 15.2665,
11.9766


 61.9145, 90.0007,
82.0970


 4.0620, 9.0066,
6.6054


 82.2840, 116.3253,
107.7037

 1.7373, 4.7455,
3.1419

 106.6926,
147.3393, 138.1479

 0.4794, 2.0987,
1.1675

 135.5059,
183.4273, 173.8482

 0.0000, 0.6639,
0.0000

 169.0891,

 0.0000, 0.0000,

224.9736, 215.2229

0.0000

207.8076,
272.3625, 262.6908

■ 21.3881, 35.3200,
30.1163

■ 21.3881, 35.3200,
30.1163

■ 21.3887, 35.3212,
30.1160

■ 21.9629, 35.5802,
31.8169

■ 22.7845, 35.9653,
33.5934

■ 23.9426, 36.5223,
35.4517

■ 25.4802, 37.2736,
37.3945

■ 27.4337, 38.2378,
39.4240

■ 29.8354, 39.4315,
41.5426

■ 32.7142, 40.8696,
43.7521

■ 36.0965, 42.5658,
46.0546

■ 40.0067, 44.5326,
48.4518

Harmonies

Analogous

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



24.0528, 35.3200, 16.7367



21.3881, 35.3200, 30.1163



21.6156, 35.3200, 52.1180

Triad

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



21.3881, 35.3200, 30.1163



38.0520, 35.3200, 92.7845



44.3026, 35.3200, 15.3982

Complementary

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



21.3881, 35.3200, 30.1163



19.7286, 10.1203, 3.2005

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.



49.2778, 35.3200, 27.4205



21.3881, 35.3200, 30.1163



45.3168, 35.3200, 73.7123

Square

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



21.3881, 35.3200, 30.1163



30.5155, 35.3200, 94.3709



49.6743, 35.3200, 48.2120



36.8231, 35.3200, 10.6192

Rectangle

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



21.3881, 35.3200, 30.1163



23.3749, 35.3200, 69.3022



49.6743, 35.3200, 48.2120



46.3687, 35.3200, 18.4684

Sweetspot

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



21.3891, 35.3214, 30.1171



59.0179, 73.9481, 79.1090



17.8334, 34.0267, 5.6283



12.5309, 16.0807, 17.0971



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.3891, 35.3214, 30.1171



38.6800, 63.9962, 54.0920



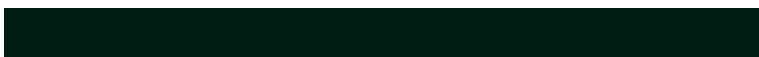
17.3195, 21.1287, 47.4231



9.1735, 10.1734, 11.0709



15.1306, 24.9532, 21.4076



0.5557, 0.8886, 0.8724

Inverse Universe

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



19.7286, 10.1203, 3.2005



35.6898, 18.3162, 5.4002



20.2502, 11.8614, 1.2225



9.0893, 9.0461, 9.8175



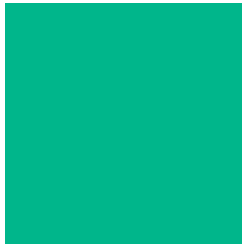
13.9535, 7.1551, 2.3757



0.5166, 0.2621, 0.2137

Previews

White Background



This preview shows how the XYZ color 21.3881, 35.3200, 30.1163 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 21.3881, 35.3200, 30.1163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

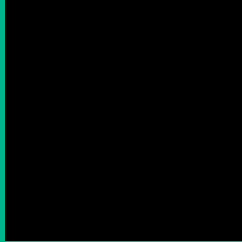
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.3881, 35.3200, 30.1163

Background



This preview shows how black text looks on a background with the XYZ color 21.3881, 35.3200, 30.1163.



This preview shows how white text looks on a background with the XYZ color 21.3881, 35.3200,

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

21.3881, 35.3200, 30.1163

Protanopia

32.6566, 34.7898, 25.4160

Deuteranopia

35.4888, 34.8588, 31.6460



Tritanopia

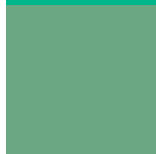
26.3116, 35.2475, 54.1319

Trichromacy



Original Color

21.3881, 35.3200, 30.1163



Protanomaly

24.1679, 32.4915, 26.8275



Deuteranomaly

25.3036, 32.1789, 30.8641



Tritanomaly

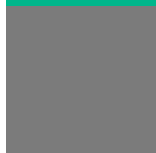
23.9986, 35.1561, 44.0490

Monochromacy



Original Color

21.3881, 35.3200, 30.1163



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.0776, 23.1512, 24.3374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3881, 35.3200, 30.1163 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, 182, 139)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 139)  
}
```

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, 182, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 139) }
```

Border

The CSS property to change the border of an element to XYZ 21.3881, 35.3200, 30.1163 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, 182, 139) }
```


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

```
.border{ border-color:rgb(0, 182, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 139);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3881, 35.3200, 30.1163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 139) }
```

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

```
.background{ background-color: rgb(0, 182,  
139) }
```

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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