

Converting Colors

XYZ(13.7308, 30.4627, 31.3727)

Have a look what the booklet for
XYZ(13.7308, 30.4627, 31.3727)
contains.

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Color

**XYZ(21.1541, 34.2538,
31.8823)**

Conversions

Conversions Part 1

Format	Color
Hex	00B390
RGB	0, 179, 144
RGB Percent	0%, 70%, 56%
CMY	0.9999, 0.2980, 0.4353
CMYK	1.00, 0.00, 0.20, 0.30
HSL	168°, 100%, 35%
HSV	168°, 100%, 70%
XYZ	21.1541, 34.2538, 31.8823
YIQ	121.4890, -95.4490, -48.8330

Conversions

Conversions Part 2

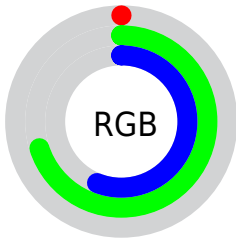
Format	Color
RYB	0, 99, 179
Decimal	45968
CIELab	65.16, -46.83, 7.13
CIELCh	65, 47.373, 171.346
Yxy	34.2538, 0.2423, 0.3924
Android (android.graphics.Color)	4278236048 (0xFF00B390)
YUV	121.4890, 11.0979, -106.5459
Hunter-Lab	58.5267, -37.9042, 8.6706

Details

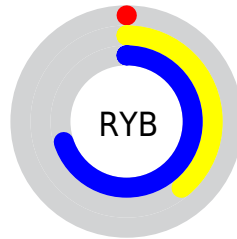
The XYZ color **21.1541, 34.2538, 31.8823** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.8949, 9.7059, 2.4691**, and the grayscale version is **18.3217, 19.2759, 20.9914**.

A 20% lighter version of the original color is **44.9078, 66.5010, 63.8952**, and **9.3540, 15.4754, 13.0837** is the 20% darker color. If you saturate the color by 10%, you get **21.1546, 34.2549, 31.8817**, and if you desaturate by 10%, it is **21.6745, 34.4915, 33.3259**.

Distribution



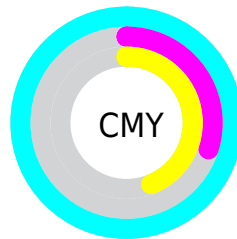
- Red (0%)
- Green (70%)
- Blue (56%)



- Red (0%)
- Yellow (39%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1541, 34.2538, 31.8823 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 21.1541, 34.2538, 31.8823 by changing the saturation by 10% instead.


 21.1541, 34.2538,
31.8823


 21.1541, 34.2538,
31.8823


250.8126,
321.2623, 325.0589


 13.3498, 23.0886,
21.0075


 44.8332, 66.3282,
63.7223

 7.7485, 14.6590,
12.9382


 61.4387, 88.0061,
85.5246


 3.9849, 8.5804,
7.2558


 81.7087, 113.9572,
111.8065

 1.6936, 4.4685,
3.5417

 106.0084,
144.5657, 142.9866

 0.4523, 1.9389,
1.3775

 134.7033,
180.2161, 179.4833

 0.0000, 0.5716,
0.1240

 168.1588,

 0.0000, 0.0000,

221.2927, 221.7152

0.0000

206.7400,
268.1800, 270.1009

■ 21.1541, 34.2538,
31.8823

■ 21.1541, 34.2538,
31.8823

■ 21.1546, 34.2549,
31.8817

■ 21.6745, 34.4915,
33.3259

■ 22.4280, 34.8476,
34.8234

■ 23.5016, 35.3677,
36.3799

■ 24.9366, 36.0732,
37.9978

■ 26.7680, 36.9820,
39.6791

■ 29.0265, 38.1099,
41.4255

■ 31.7398, 39.4714,
43.2387

■ 34.9333, 41.0794,
45.1203

■ 38.6304, 42.9459,
47.0717

Harmonies

Analogous

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



23.2824, 34.2538, 18.2873



21.1541, 34.2538, 31.8823



21.7268, 34.2538, 52.8527

Triad

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



21.1541, 34.2538, 31.8823



37.6126, 34.2538, 84.8698



41.5369, 34.2538, 14.8473

Complementary

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



21.1541, 34.2538, 31.8823



18.8949, 9.7059, 2.4691

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.



46.4949, 34.2538, 25.1383



21.1541, 34.2538, 31.8823



44.0165, 34.2538, 66.3117

Square

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



21.1541, 34.2538, 31.8823



30.6073, 34.2538, 88.6744



47.4612, 34.2538, 43.2915



34.5882, 34.2538, 10.9841

Rectangle

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



21.1541, 34.2538, 31.8823



23.6031, 34.2538, 68.3320



47.4612, 34.2538, 43.2915



43.5301, 34.2538, 17.4529

Sweetspot

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



21.1551, 34.2551, 31.8831



56.5716, 70.5532, 77.2661



16.8419, 32.6131, 5.4078



12.0662, 15.3964, 16.8158



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.



21.1551, 34.2551, 31.8831



37.8052, 61.3152, 56.6722



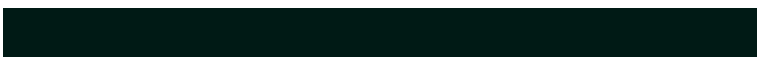
15.5097, 18.0000, 45.3062



8.6700, 9.6025, 10.5218



14.9714, 24.2145, 22.6501



0.4893, 0.7692, 0.8087

Inverse Universe

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



18.8949, 9.7059, 2.4691



33.7759, 17.3566, 4.0909



19.8970, 12.1958, 1.3058



8.5620, 8.5315, 9.1922



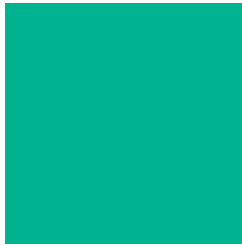
13.3702, 6.8656, 1.8434



0.4407, 0.2240, 0.1632

Previews

White Background



This preview shows how the XYZ color 21.1541, 34.2538, 31.8823 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 21.1541, 34.2538, 31.8823 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 21.1541, 34.2538, 31.8823

Background



This preview shows how black text looks on a background with the XYZ color 21.1541, 34.2538, 31.8823.



This preview shows how white text looks on a background with the XYZ color 21.1541, 34.2538, 31.8823.

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

21.1541, 34.2538, 31.8823

Protanopia

31.8077, 33.8067, 27.0392

Deuteranopia

34.4125, 33.7724, 33.5592



Tritanopia

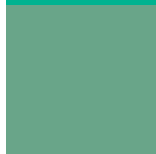
25.4345, 34.2593, 52.2859

Trichromacy



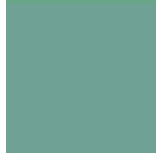
Original Color

21.1541, 34.2538, 31.8823



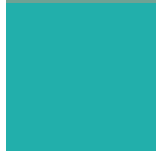
Protanomaly

23.7962, 31.7197, 28.5352



Deuteranomaly

24.8212, 31.3583, 32.7615



Tritanomaly

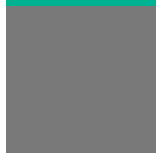
23.3403, 33.9403, 43.8490

Monochromacy



Original Color

21.1541, 34.2538, 31.8823



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.6960, 22.5088, 24.2335

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1541, 34.2538, 31.8823 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, 179, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 144)  
}
```

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, 179, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 144) }
```

Border

The CSS property to change the border of an element to XYZ 21.1541, 34.2538, 31.8823 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, 179, 144) }
```


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

```
.border{ border-color:rgb(0, 179, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1541, 34.2538, 31.8823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 144) }
```

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

```
.background{ background-color: rgb(0, 179,  
144) }
```

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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