

Converting Colors

XYZ(21.3279, 33.4118, 33.2582)

Have a look what the booklet for
XYZ(21.3279, 33.4118, 33.2582)
contains.

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Color

**XYZ(21.3495, 33.4357,
33.3455)**

Conversions

Conversions Part 1

Format	Color
Hex	1CB094
RGB	28, 176, 148
RGB Percent	11%, 69%, 58%
CMY	0.8902, 0.3098, 0.4196
CMYK	0.84, 0.00, 0.16, 0.31
HSL	169°, 73%, 40%
HSV	169°, 84%, 69%
XYZ	21.3495, 33.4357, 33.3455
YIQ	128.5560, -79.2200, -40.0840

Conversions

Conversions Part 2

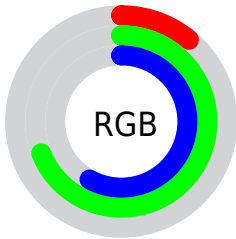
Format	Color
RYB	28, 110, 176
Decimal	1880212
CIELab	64.51, -43.10, 4.00
CIELCh	65, 43.282, 174.692
Yxy	33.4357, 0.2422, 0.3794
Android (android.graphics.Color)	4280070292 (0xFF1CB094)
YUV	128.5560, 9.5859, -88.1876
Hunter-Lab	57.8236, -35.2860, 6.2854

Details

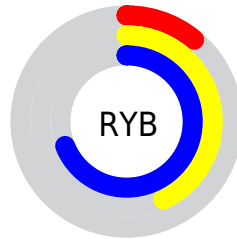
The XYZ color **21.3495, 33.4357, 33.3455** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.0347, 10.3470, 4.7365**, and the grayscale version is **20.6998, 21.7778, 23.7160**.

A 20% lighter version of the original color is **44.9968, 64.8023, 66.0136**, and **9.1172, 14.7821, 13.6820** is the 20% darker color. If you saturate the color by 10%, you get **20.7417, 33.1532, 31.9614**, and if you desaturate by 10%, it is **22.2480, 33.8688, 34.7843**.

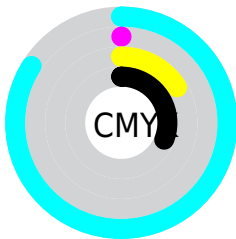
Distribution



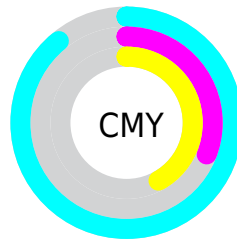
- Red (11%)
- Green (69%)
- Blue (58%)



- Red (11%)
- Yellow (43%)
- Blue (69%)



- Cyan (84%)
- Magenta (0%)
- Yellow (16%)
- Black (31%)



- Cyan (89%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3495, 33.4357, 33.3455 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 21.3495, 33.4357, 33.3455 by changing the saturation by 10% instead.

■ 21.3495, 33.4357,
33.3455

■ 21.3495, 33.4357,
33.3455

251.8268,
317.6085, 331.8833

■ 13.4936, 22.4604,
22.1180

■ 45.1554, 65.0552,
66.0368

■ 7.8487, 14.1956,
13.7445

■ 61.8361, 86.4682,
88.3376

■ 4.0493, 8.2568,
7.8064

■ 82.1892, 112.1292,
115.1666

■ 1.7300, 4.2597,
3.8853

■ 106.5799,
142.4226, 146.9424

■ 0.4750, 1.8199,
1.5627

■ 135.3737,
177.7329, 184.0834

■ 0.0000, 0.4995,
0.2640

168.9359,

■ 0.0000, 0.0000,

218.4443, 227.0082

0.0000

207.6318,
264.9414, 276.1353

■ 21.3495, 33.4357,
33.3455

■ 21.3495, 33.4357,
33.3455

■ 20.7417, 33.1532,
31.9614

■ 22.2480, 33.8688,
34.7843

■ 20.4613, 33.0260,
31.1647

■ 23.4772, 34.4707,
36.2777

■ 25.0738, 35.2611,
37.8286

■ 27.0687, 36.2559,
39.4386

■ 29.4895, 37.4695,
41.1095

■ 32.3616, 38.9147,
42.8426

■ 35.7079, 40.6035,
44.6394

■ 39.5502, 42.5470,
46.5013

■ 43.9087, 44.7557,
48.4293

Harmonies

Analogous

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



23.0304, 33.4357, 20.0576



21.3495, 33.4357, 33.3455



22.1542, 33.4357, 52.5647

Triad

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



21.3495, 33.4357, 33.3455



37.0101, 33.4357, 76.9384



39.1593, 33.4357, 15.0873

Complementary

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



21.3495, 33.4357, 33.3455



19.0347, 10.3470, 4.7365

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.



43.8534, 33.4357, 23.9527



21.3495, 33.4357, 33.3455



42.5041, 33.4357, 59.8478

Square

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



21.3495, 33.4357, 33.3455



30.6923, 33.4357, 81.9297



45.1503, 33.4357, 39.6478



32.8924, 33.4357, 11.9357

Rectangle

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



21.3495, 33.4357, 33.3455



24.0540, 33.4357, 65.9912



45.1503, 33.4357, 39.6478



41.0042, 33.4357, 17.3240

Sweetspot

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



21.3504, 33.4370, 33.3463



57.9380, 70.1963, 77.2682



17.4578, 32.0235, 6.3602



12.1574, 15.0119, 16.5103



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.3504, 33.4370, 33.3463



37.0290, 59.8642, 56.1008



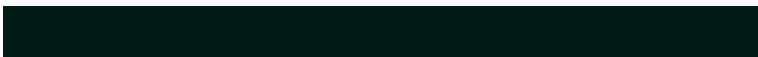
16.5136, 19.7772, 44.0229



8.6723, 9.6034, 10.5341



15.0326, 24.2390, 22.9722



0.4908, 0.7698, 0.8165

Inverse Universe

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



19.0347, 10.3470, 4.7365



32.9167, 16.9179, 3.8570



20.4586, 14.0018, 2.7235



8.5599, 8.5307, 9.1808



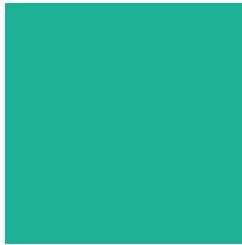
13.3580, 6.8608, 1.7793



0.4398, 0.2237, 0.1585

Previews

White Background



This preview shows how the XYZ color 21.3495, 33.4357, 33.3455 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 21.3495, 33.4357, 33.3455 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

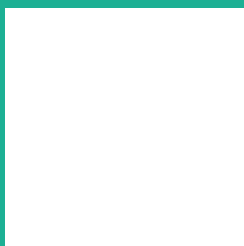
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3495, 33.4357, 33.3455

Background



This preview shows how black text looks on a background with the XYZ color 21.3495, 33.4357, 33.3455.

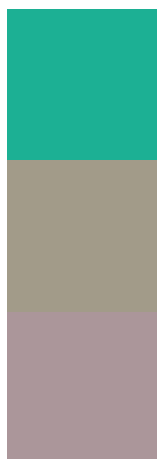


This preview shows how white text looks on a background with the XYZ color 21.3495, 33.4357,

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

21.3495, 33.4357, 33.3455

Protanopia

31.1370, 32.9302, 28.3820

Deuteranopia

33.5337, 32.8037, 35.1362



Tritanopia

24.9508, 33.4694, 51.0441

Trichromacy



Original Color

21.3495, 33.4357, 33.3455



Protanomaly

24.7150, 31.6282, 30.0015



Deuteranomaly

25.6734, 30.9852, 34.3334



Tritanomaly

23.5167, 33.4465, 44.2461

Monochromacy



Original Color

21.3495, 33.4357, 33.3455



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.1365, 24.6107, 27.0343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3495, 33.4357, 33.3455 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(28, 176, 148)` looks like.

```
.text, #text, p{  
    color:rgb(28, 176, 148)  
}
```

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(28, 176, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 176, 148) }
```

Border

The CSS property to change the border of an element to XYZ 21.3495, 33.4357, 33.3455 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(28, 176, 148) }
```


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

```
.border{ border-color:rgb(28, 176, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 176, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 176, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 176, 148);  
box-shadow:4px 4px 4px 4px rgb(28, 176,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3495, 33.4357, 33.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 176, 148) }
```

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

```
.background{ background-color: rgb(28, 176,  
148) }
```

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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