

Converting Colors

XYZ(21.1551, 33.6276, 33.3928)

Have a look what the booklet for
XYZ(21.1551, 33.6276, 33.3928)
contains.

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Color

**XYZ(21.1551, 33.6276,
33.3928)**

Conversions

Conversions Part 1

Format	Color
Hex	07B194
RGB	7, 177, 148
RGB Percent	3%, 69%, 58%
CMY	0.9725, 0.3059, 0.4196
CMYK	0.96, 0.00, 0.16, 0.31
HSL	170°, 92%, 36%
HSV	170°, 96%, 69%
XYZ	21.1551, 33.6276, 33.3928
YIQ	122.8640, -92.0110, -45.0590

Conversions

Conversions Part 2

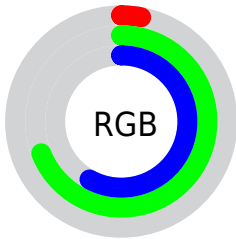
Format	Color
RYB	7, 100, 177
Decimal	504212
CIELab	64.67, -44.68, 4.21
CIELCh	65, 44.882, 174.624
Yxy	33.6276, 0.2399, 0.3814
Android (android.graphics.Color)	4278694292 (0xFF07B194)
YUV	122.8640, 12.3920, -101.6127
Hunter-Lab	57.9893, -36.3626, 6.4507

Details

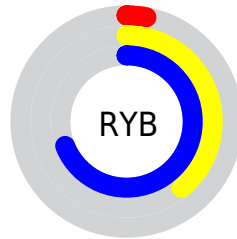
The XYZ color **21.1551, 33.6276, 33.3928** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.5272, 9.6275, 2.5529**, and the grayscale version is **18.7669, 19.7443, 21.5015**.

A 20% lighter version of the original color is **45.0133, 65.6513, 66.1766**, and **9.2406, 15.0290, 13.7231** is the 20% darker color. If you saturate the color by 10%, you get **20.9737, 33.5458, 32.8923**, and if you desaturate by 10%, it is **21.7045, 33.8837, 34.6836**.

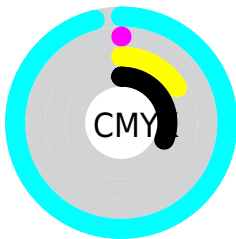
Distribution



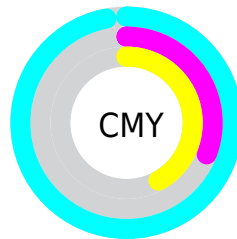
- Red (3%)
- Green (69%)
- Blue (58%)



- Red (3%)
- Yellow (39%)
- Blue (69%)



- Cyan (96%)
- Magenta (0%)
- Yellow (16%)
- Black (31%)





- Cyan (97%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1551, 33.6276, 33.3928 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 21.1551, 33.6276, 33.3928 by changing the saturation by 10% instead.


 21.1551, 33.6276,
33.3928


 21.1551, 33.6276,
33.3928


250.8178,
318.4683, 332.1021


 13.3505, 22.6077,
22.1539


 44.8349, 65.3541,
66.1114


 7.7490, 14.3041,
13.7707


 61.4407, 86.8295,
88.4282


 3.9852, 8.3325,
7.8244


 81.7111, 112.5588,
115.2747

 1.6938, 4.3084,
3.8966

 106.0113,
142.9265, 147.0695

 0.4524, 1.8475,
1.5688

 134.7068,
178.3169, 184.2311

 0.0000, 0.5165,
0.2684

 168.1627,

 0.0000, 0.0000,

219.1144, 227.1780

0.0000

206.7446,
265.7034, 276.3289

■ 21.1551, 33.6276,
33.3928

■ 21.1551, 33.6276,
33.3928

■ 20.9737, 33.5458,
32.8923

■ 21.7045, 33.8837,
34.6836

■ 22.5312, 34.2811,
36.0194

■ 23.6848, 34.8464,
37.4035

■ 25.2026, 35.5987,
38.8380

■ 27.1168, 36.5545,
40.3245

■ 29.4560, 37.7288,
41.8647

■ 32.2461, 39.1347,
43.4600

■ 35.5111, 40.7847,
45.1116

■ 39.2730, 42.6901,
46.8210

Harmonies

Analogous

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



22.8950, 33.6276, 19.6880



21.1551, 33.6276, 33.3928



21.9790, 33.6276, 53.4589

Triad

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



21.1551, 33.6276, 33.3928



37.4014, 33.6276, 79.2163



39.6766, 33.6276, 14.6501

Complementary

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



21.1551, 33.6276, 33.3928



18.5272, 9.6275, 2.5529

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.



44.5856, 33.6276, 23.7423



21.1551, 33.6276, 33.3928



43.1534, 33.6276, 61.2097

Square

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



21.1551, 33.6276, 33.3928



30.8163, 33.6276, 84.4591



45.9362, 33.6276, 40.0375



33.1358, 33.6276, 11.4477

Rectangle

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



21.1551, 33.6276, 33.3928



23.9373, 33.6276, 67.5855



45.9362, 33.6276, 40.0375



41.6054, 33.6276, 16.9328

Sweetspot

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



21.1560, 33.6289, 33.3936



55.9247, 69.1660, 76.8317



16.5674, 31.8764, 5.4813



11.6731, 14.7643, 16.3934



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.



21.1560, 33.6289, 33.3936



37.4897, 60.0485, 58.5267



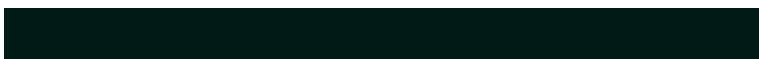
15.1289, 17.4295, 44.1633



8.6792, 9.6062, 10.5701



15.2152, 24.3120, 23.9337



0.4952, 0.7715, 0.8396

Inverse Universe

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



18.5272, 9.6275, 2.5529



32.8417, 16.8879, 3.4618



19.8314, 12.6845, 1.6048



8.5536, 8.5281, 9.1476



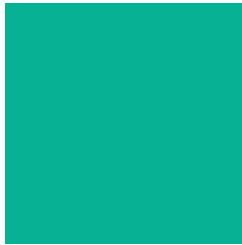
13.3245, 6.8474, 1.6028



0.4372, 0.2226, 0.1449

Previews

White Background



This preview shows how the XYZ color 21.1551, 33.6276, 33.3928 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 21.1551, 33.6276, 33.3928 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

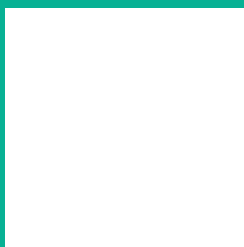
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1551, 33.6276, 33.3928

Background



This preview shows how black text looks on a background with the XYZ color 21.1551, 33.6276, 33.3928.

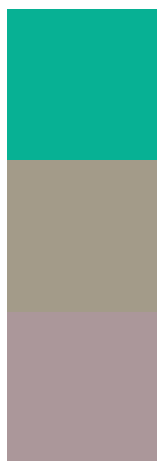


This preview shows how white text looks on a background with the XYZ color 21.1551, 33.6276,

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

21.1551, 33.6276, 33.3928

Protanopia

31.3410, 33.0354, 28.3915

Deuteranopia

33.6939, 33.1242, 35.1896



Tritanopia

24.9807, 33.7540, 51.6529

Trichromacy



Original Color

21.1551, 33.6276, 33.3928



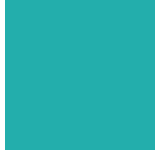
Protanomaly

23.8488, 31.1816, 29.9610



Deuteranomaly

24.7938, 30.7881, 34.3417



Tritanomaly

23.2756, 33.6080, 44.2900

Monochromacy



Original Color

21.1551, 33.6276, 33.3928



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.3807, 23.0602, 25.3648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1551, 33.6276, 33.3928 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(7, 177, 148)` looks like.

```
.text, #text, p{  
    color:rgb(7, 177, 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(7, 177, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 177, 148) }
```

Border

The CSS property to change the border of an element to XYZ 21.1551, 33.6276, 33.3928 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(7, 177, 148) }
```


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

```
.border{ border-color:rgb(7, 177, 148) }
```

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

Here you see how a box with a 4 pixel rgb(7, 177, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 177, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 177, 148);  
box-shadow:4px 4px 4px 4px rgb(7, 177,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1551, 33.6276, 33.3928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 177, 148) }
```

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

```
.background{ background-color: rgb(7, 177,  
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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