

Converting Colors

XYZ(13.3006, 20.9882, 21.7377)

Have a look what the booklet for
XYZ(13.3006, 20.9882, 21.7377)
contains.

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Color

**XYZ(13.3353, 21.0501,
21.7726)**

Conversions

Conversions Part 1

Format	Color
Hex	008F7A
RGB	0, 143, 122
RGB Percent	0%, 56%, 48%
CMY	1.0000, 0.4392, 0.5216
CMYK	1.00, 0.00, 0.15, 0.44
HSL	171°, 100%, 28%
HSV	171°, 100%, 56%
XYZ	13.3353, 21.0501, 21.7726
YIQ	97.8490, -78.4870, -36.8470

Conversions

Conversions Part 2

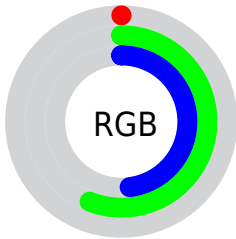
Format	Color
RYB	0, 77, 143
Decimal	36730
CIELab	53.00, -37.62, 2.02
CIELCh	53, 37.675, 176.928
Yxy	21.0501, 0.2375, 0.3748
Android (android.graphics.Color)	4278226810 (0xFF008F7A)
YUV	97.8490, 11.9064, -85.8136
Hunter-Lab	45.8804, -28.4090, 3.9801

Details

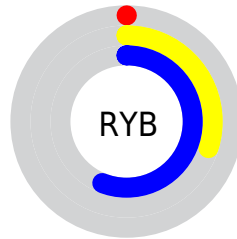
The XYZ color **13.3353, 21.0501, 21.7726** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.4637, 5.8943, 1.2436**, and the grayscale version is **11.5584, 12.1603, 13.2426**.

A 20% lighter version of the original color is **31.5804, 45.3755, 47.1383**, and **5.0297, 8.1353, 7.6085** is the 20% darker color. If you saturate the color by 10%, you get **13.3357, 21.0508, 21.7726**, and if you desaturate by 10%, it is **13.6533, 21.1993, 22.4747**.

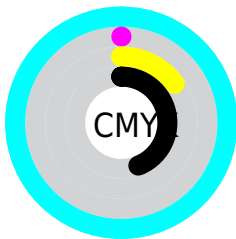
Distribution



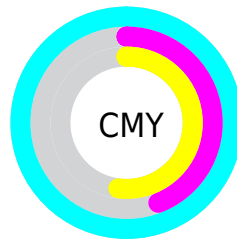
- Red (0%)
- Green (56%)
- Blue (48%)



- Red (0%)
- Yellow (30%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3353, 21.0501, 21.7726 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 13.3353, 21.0501, 21.7726 by changing the saturation by 10% instead.

■ 13.3353, 21.0501,
21.7726

■ 13.3353, 21.0501,
21.7726

206.6500,
257.5446, 274.2711

■ 7.7384, 13.1606,
13.4932

■ 31.5011, 45.1709,
47.2672

■ 3.9784, 7.5392,
7.6343

■ 44.8007, 62.1710,
65.3195

■ 1.6899, 3.8016,
3.7775

■ 61.3986, 82.9768,
87.4665

■ 0.4500, 1.5632,
1.5041

■ 81.6602, 107.9727,
114.1268

■ 0.0000, 0.3326,
0.2210

■ 105.9507,
137.5430, 145.7188

■ 0.0000, 0.0000,
0.0000

■ 134.6356,

172.0721, 182.6612

168.0803,
211.9446, 225.3724

■ 13.3353, 21.0501,
21.7726

■ 13.3353, 21.0501,
21.7726

■ 13.3357, 21.0508,
21.7726

■ 13.6533, 21.1993,
22.4747

■ 14.0976, 21.4128,
23.1971

■ 14.7316, 21.7238,
23.9432

■ 15.5786, 22.1443,
24.7142

■ 16.6585, 22.6845,
25.5111

■ 17.9886, 23.3533,
26.3349

■ 19.5850, 24.1591,
27.1864

■ 21.4620, 25.1092,
28.0663

■ 23.6332, 26.2106,
28.9754

Harmonies

Analogous

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



14.2887, 21.0501, 12.9729



13.3353, 21.0501, 21.7726



13.9656, 21.0501, 34.2624

Triad

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



13.3353, 21.0501, 21.7726



23.6518, 21.0501, 48.3303



24.4498, 21.0501, 9.0873

Complementary

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



13.3353, 21.0501, 21.7726



11.4637, 5.8943, 1.2436

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.



27.5804, 21.0501, 14.4058



13.3353, 21.0501, 21.7726



27.0788, 21.0501, 36.9737

Square

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



13.3353, 21.0501, 21.7726



19.6027, 21.0501, 52.2629



28.6002, 21.0501, 24.1070



20.4178, 21.0501, 7.3278

Rectangle

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



13.3353, 21.0501, 21.7726



15.2515, 21.0501, 42.7889



28.6002, 21.0501, 24.1070



25.6618, 21.0501, 10.4099

Sweetspot

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



13.3359, 21.0509, 21.7731



34.8740, 43.1633, 48.5854



10.1420, 19.8102, 3.2895



7.7391, 9.7678, 11.0084



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.3359, 21.0509, 21.7731



23.8320, 37.6777, 38.7309



8.8687, 9.8042, 27.4126



5.5267, 6.1029, 6.7394



11.7967, 18.6146, 19.2816



0.1188, 0.1804, 0.2160

Inverse Universe

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



11.4637, 5.8943, 1.2436



20.4880, 10.5386, 2.0120



12.4713, 8.1261, 0.9115



5.4392, 5.4362, 5.8107



10.1408, 5.2133, 1.1266



0.1019, 0.0518, 0.0369

Previews

White Background



This preview shows how the XYZ color 13.3353, 21.0501, 21.7726 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3353, 21.0501, 21.7726 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 × Fail

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

XYZ 13.3353, 21.0501, 21.7726

Background



This preview shows how black text looks on a background with the XYZ color 13.3353, 21.0501, 21.7726.

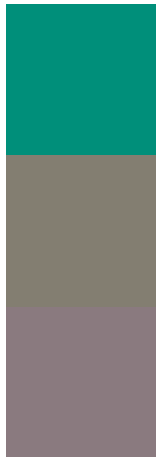


This preview shows how white text looks on a background with the XYZ color 13.3353, 21.0501,

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

13.3353, 21.0501, 21.7726

Protanopia

19.8016, 20.9393, 18.6208

Deuteranopia

21.2715, 20.8546, 22.9829



Tritanopia

15.6127, 21.1184, 32.1075

Trichromacy



Original Color

13.3353, 21.0501, 21.7726



Protanomaly

14.9709, 19.6025, 19.5176



Deuteranomaly

15.7088, 19.5206, 22.3420



Tritanomaly

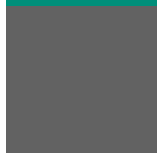
14.5126, 20.8563, 28.0717

Monochromacy



Original Color

13.3353, 21.0501, 21.7726



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

10.6578, 14.1203, 16.0737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3353, 21.0501, 21.7726 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, 143, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 122)  
}
```

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, 143, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.3353, 21.0501, 21.7726 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, 143, 122) }
```


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

```
.border{ border-color:rgb(0, 143, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3353, 21.0501, 21.7726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 122) }
```

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

```
.background{ background-color: rgb(0, 143,  
122) }
```

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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