

Converting Colors

XYZ(13.6357, 21.7404, 21.5949)

Have a look what the booklet for
XYZ(13.6357, 21.7404, 21.5949)
contains.

XYZ(13.5766, 21.6313, 21.5489)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.5766, 21.6313,
21.5489)**

Conversions

Conversions Part 1

Format	Color
Hex	009179
RGB	0, 145, 121
RGB Percent	0%, 57%, 47%
CMY	0.9999, 0.4314, 0.5255
CMYK	1.00, 0.00, 0.17, 0.43
HSL	170°, 100%, 28%
HSV	170°, 100%, 57%
XYZ	13.5766, 21.6313, 21.5489
YIQ	98.9090, -78.7160, -38.2040

Conversions

Conversions Part 2

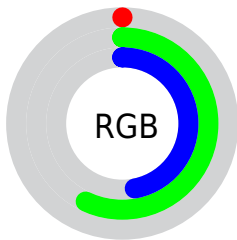
Format	Color
RYB	0, 79, 145
Decimal	37241
CIELab	53.63, -38.78, 3.51
CIELCh	54, 38.934, 174.833
Yxy	21.6313, 0.2392, 0.3811
Android (android.graphics.Color)	4278227321 (0xFF009179)
YUV	98.9090, 10.8909, -86.7432
Hunter-Lab	46.5095, -29.2855, 5.0862

Details

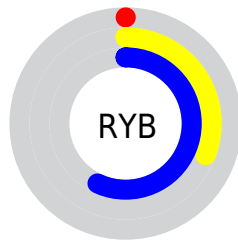
The XYZ color **13.5766, 21.6313, 21.5489** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.8426, 6.0863, 1.4155**, and the grayscale version is **11.8258, 12.4416, 13.5489**.

A 20% lighter version of the original color is **31.9434, 46.2570, 46.7801**, and **5.1169, 8.3097, 7.6376** is the 20% darker color. If you saturate the color by 10%, you get **13.5769, 21.6320, 21.5487**, and if you desaturate by 10%, it is **13.9153, 21.7892, 22.3433**.

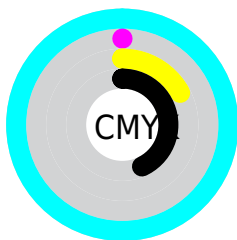
Distribution



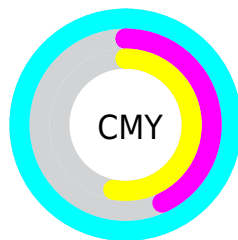
- Red (0%)
- Green (57%)
- Blue (47%)



- Red (0%)
- Yellow (31%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (43%)



- Cyan (100%)
- Magenta (43%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5766, 21.6313, 21.5489 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 13.5766, 21.6313, 21.5489 by changing the saturation by 10% instead.

■ 13.5766, 21.6313,
21.5489

■ 13.5766, 21.6313,
21.5489

208.1445,
260.6147, 273.0576

■ 7.9065, 13.5862,
13.3307

■ 31.9284, 46.1359,
46.8919

■ 4.0865, 7.8335,
7.5232

■ 45.3409, 63.3641,
64.8537

■ 1.7512, 3.9886,
3.7081

■ 62.0648, 84.4223,
86.9005

■ 0.4880, 1.6672,
1.4666

■ 82.4656, 109.6947,
113.4508

■ 0.0000, 0.4023,
0.1929

■ 106.9086,
139.5657, 144.9231

■ 0.0000, 0.0000,
0.0000

■ 135.7592,

174.4198, 181.7360

169.3827,
214.6414, 224.3080

■ 13.5766, 21.6313,
21.5489

■ 13.5766, 21.6313,
21.5489

■ 13.5769, 21.6320,
21.5487

■ 13.9153, 21.7892,
22.3433

■ 14.3860, 22.0142,
23.1627

■ 15.0533, 22.3402,
24.0107

■ 15.9414, 22.7795,
24.8885

■ 17.0706, 23.3427,
25.7973

■ 18.4593, 24.0392,
26.7380

■ 20.1237, 24.8774,
27.7115

■ 22.0790, 25.8651,
28.7187

■ 24.3390, 27.0095,
29.7603

Harmonies

Analogous

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



14.6884, 21.6313, 12.6668



13.5766, 21.6313, 21.5489



14.1200, 21.6313, 34.5463

Triad

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



13.5766, 21.6313, 21.5489



24.1065, 21.6313, 51.0687



25.5210, 21.6313, 9.3481

Complementary

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



13.5766, 21.6313, 21.5489



11.8426, 6.0863, 1.4155

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.



28.7094, 21.6313, 15.1806



13.5766, 21.6313, 21.5489



27.8186, 21.6313, 39.3689

Square

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



13.5766, 21.6313, 21.5489



19.8477, 21.6313, 54.5378



29.6021, 21.6313, 25.6773



21.2889, 21.6313, 7.3090

Rectangle

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



13.5766, 21.6313, 21.5489



15.3919, 21.6313, 43.6835



29.6021, 21.6313, 25.6773



26.7718, 21.6313, 10.8097

Sweetspot

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



13.5772, 21.6321, 21.5494



35.8329, 44.4470, 49.5130



10.5068, 20.4479, 3.3935



7.7124, 9.7572, 10.8681



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.



13.5772, 21.6321, 21.5494



24.2586, 38.7164, 38.3004



9.3557, 10.5335, 28.3291



5.5225, 6.1012, 6.7171



11.6530, 18.5571, 18.5249



0.1180, 0.1801, 0.2118

Inverse Universe

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



11.8426, 6.0863, 1.4155



21.1624, 10.8807, 2.2976



12.7486, 8.1621, 0.9039



5.4431, 5.4377, 5.8311



10.1643, 5.2227, 1.2504



0.1027, 0.0521, 0.0410

Previews

White Background



This preview shows how the XYZ color 13.5766, 21.6313, 21.5489 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 13.5766, 21.6313, 21.5489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

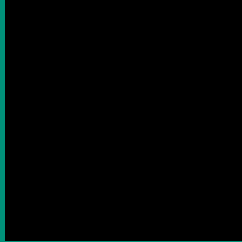
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.5766, 21.6313, 21.5489

Background



This preview shows how black text looks on a background with the XYZ color 13.5766, 21.6313, 21.5489.

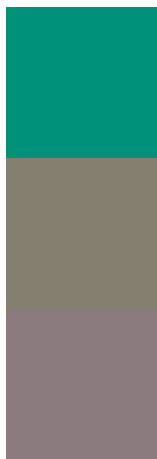


This preview shows how white text looks on a background with the XYZ color 13.5766, 21.6313,

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

13.5766, 21.6313, 21.5489

Protanopia

20.1869, 21.3351, 18.3834

Deuteranopia

21.6641, 21.2477, 22.6981



Tritanopia

16.1472, 21.8090, 33.0643

Trichromacy



Original Color

13.5766, 21.6313, 21.5489



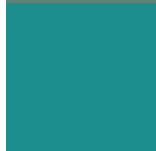
Protanomaly

15.3659, 20.2193, 19.3125



Deuteranomaly

15.8742, 19.8117, 22.0562



Tritanomaly

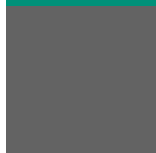
14.9327, 21.5021, 28.5626

Monochromacy



Original Color

13.5766, 21.6313, 21.5489



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

10.9491, 14.6091, 16.1527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5766, 21.6313, 21.5489 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, 145, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 121)  
}
```

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, 145, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 121) }
```

Border

The CSS property to change the border of an element to XYZ 13.5766, 21.6313, 21.5489 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, 145, 121) }
```


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

```
.border{ border-color:rgb(0, 145, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5766, 21.6313, 21.5489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 121) }
```

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

```
.background{ background-color: rgb(0, 145,  
121) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor