

Converting Colors

XYZ(4.3444, 9.6139, 15.0515)

Have a look what the booklet for
XYZ(4.3444, 9.6139, 15.0515)
contains.

XYZ(7.7038, 11.3280, 15.1451)	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(7.7038, 11.3280,
15.1451)**

Conversions

Conversions Part 1

Format	Color
Hex	006A69
RGB	0, 106, 105
RGB Percent	0%, 42%, 41%
CMY	1.0000, 0.5843, 0.5882
CMYK	1.00, 0.00, 0.01, 0.58
HSL	179°, 100%, 21%
HSV	179°, 100%, 42%
XYZ	7.7038, 11.3280, 15.1451
YIQ	74.1920, -62.8550, -22.7830

Conversions

Conversions Part 2

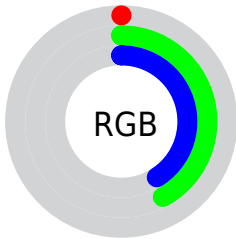
Format	Color
RYB	0, 53, 106
Decimal	27241
CIELab	40.13, -25.54, -6.85
CIELCh	40, 26.448, 195.020
Yxy	11.3280, 0.2254, 0.3315
Android (android.graphics.Color)	4278217321 (0xFF006A69)
YUV	74.1920, 15.1883, -65.0664
Hunter-Lab	33.6571, -18.0429, -3.1195

Details

The XYZ color **7.7038, 11.3280, 15.1451** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.9497, 3.0666, 0.3073**, and the grayscale version is **6.5254, 6.8652, 7.4762**.

A 20% lighter version of the original color is **21.1293, 28.3499, 35.8109**, and **2.2768, 3.3316, 4.5261** is the 20% darker color. If you saturate the color by 10%, you get **7.7041, 11.3284, 15.1454**, and if you desaturate by 10%, it is **7.8421, 11.3989, 15.1787**.

Distribution



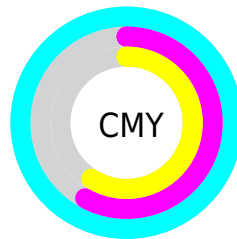
- Red (0%)
- Green (42%)
- Blue (41%)



- Red (0%)
- Yellow (21%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (58%)



- Cyan (100%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.7038, 11.3280, 15.1451 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 7.7038, 11.3280, 15.1451 by changing the saturation by 10% instead.

■ 7.7038, 11.3280,
15.1451

■ 7.7038, 11.3280,
15.1451

167.8105,
199.9042, 235.9138

■ 3.9562, 6.2879,
8.7735

■ 21.0667, 28.2651,
35.8534

■ 1.6774, 3.0209,
4.4990

■ 31.4127, 40.9309,
51.0273

■ 0.4421, 1.1427,
1.9029

■ 44.6890, 56.9074,
69.9723

■ 0.0000, 0.0141,
0.4946


■ 61.2608, 76.5790,
93.1070


■ 0.0000, 0.0000,
0.0000


■ 81.4934, 100.3301,
120.8499


■ 105.7524,


128.5451, 153.6197


 134.4029,
161.6083, 191.8348


 7.7038, 11.3280,
15.1451


 7.7038, 11.3280,
15.1451


 7.7041, 11.3284,
15.1454

 7.8421, 11.3989,
15.1787

 8.0280, 11.4942,
15.2143

 8.3092, 11.6386,
15.2544

 8.6963, 11.8375,
15.2995

 9.1984, 12.0958,
15.3500

■ 9.8240, 12.4176,
15.4063

■ 10.5803, 12.8069,
15.4688

■ 11.4743, 13.2672,
15.5377

■ 12.5124, 13.8018,
15.6134

Harmonies

Analogous

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



7.7033, 11.3280, 9.9005



7.7038, 11.3280, 15.1451



8.4588, 11.3280, 20.9598

Triad

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



7.7038, 11.3280, 15.1451



13.4629, 11.3280, 20.9528



11.7057, 11.3280, 4.9172

Complementary

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



7.7038, 11.3280, 15.1451



5.9497, 3.0666, 0.3073

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.



13.4609, 11.3280, 6.4746



7.7038, 11.3280, 15.1451



14.5510, 11.3280, 15.1374

Square

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



7.7038, 11.3280, 15.1451



11.7082, 11.3280, 24.9071



14.5503, 11.3280, 9.8947



9.8775, 11.3280, 4.9181

Rectangle

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



7.7038, 11.3280, 15.1451



9.3435, 11.3280, 23.9599



14.5503, 11.3280, 9.8947



12.3281, 11.3280, 5.2507

Sweetspot

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



7.7041, 11.3284, 15.1454



18.4481, 22.4140, 27.1376



5.1764, 10.3199, 1.7193



4.2227, 5.1996, 6.3490



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



7.7041, 11.3284, 15.1454



13.5179, 19.8799, 26.5665



3.9570, 3.7513, 14.1517



3.1806, 3.4914, 3.9350



9.5599, 14.0580, 18.7913



48.6924, 71.6240, 95.6478

Inverse Universe

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



5.9497, 3.0666, 0.3073



10.4388, 5.3806, 0.5257



7.1383, 5.4527, 0.6764



3.1008, 3.1172, 3.2612



7.3826, 3.8052, 0.3772



37.5991, 19.3816, 1.8257

Previews

White Background



This preview shows how the XYZ color 7.7038, 11.3280, 15.1451 looks on a white 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

Black Background



This preview shows how the XYZ color 7.7038, 11.3280, 15.1451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

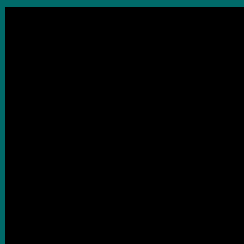
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.7038, 11.3280, 15.1451

Background



This preview shows how black text looks on a background with the XYZ color 7.7038, 11.3280, 15.1451.



This preview shows how white text looks on a background with the XYZ color 7.7038, 11.3280,

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

7.7038, 11.3280, 15.1451

Protanopia

10.9266, 11.3201, 13.1644

Deuteranopia

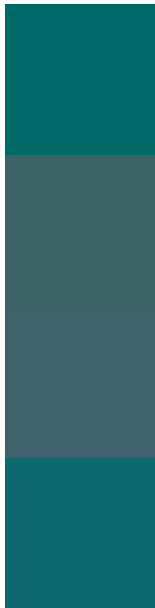
11.4637, 11.2784, 15.7601



Tritanopia

8.3207, 11.4441, 17.3932

Trichromacy



Original Color

7.7038, 11.3280, 15.1451

Protanomaly

8.5801, 10.6356, 13.9126

Deuteranomaly

8.9151, 10.6351, 15.4928

Tritanomaly

8.0320, 11.3145, 16.5124

Monochromacy



Original Color

7.7038, 11.3280, 15.1451

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

6.1398, 7.9158, 9.7986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7038, 11.3280, 15.1451 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, 106, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 105)  
}
```

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, 106, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 105) }
```

Border

The CSS property to change the border of an element to XYZ 7.7038, 11.3280, 15.1451 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, 106, 105) }
```


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

```
.border{ border-color:rgb(0, 106, 105) }
```

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

Here you see how a box with a 4 pixel rgb(0, 106, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 7.7038, 11.3280, 15.1451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 105) }
```

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

```
.background{ background-color: rgb(0, 106,  
105) }
```

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