

Converting Colors

XYZ(8.8241, 13.1300, 22.2360)

Have a look what the booklet for
XYZ(8.8241, 13.1300, 22.2360)
contains.

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Color

**XYZ(9.9615, 13.7938,
22.2161)**

Conversions

Conversions Part 1

Format	Color
Hex	00737F
RGB	0, 115, 127
RGB Percent	0%, 45%, 50%
CMY	0.9999, 0.5490, 0.5020
CMYK	1.00, 0.09, 0.00, 0.50
HSL	186°, 100%, 25%
HSV	186°, 100%, 50%
XYZ	9.9615, 13.7938, 22.2161
YIQ	81.9830, -72.3920, -20.6480

Conversions

Conversions Part 2

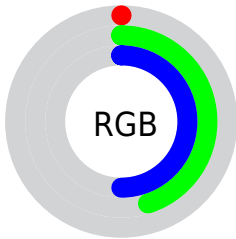
Format	Color
RYB	0, 60, 127
Decimal	29567
CIELab	43.94, -22.60, -14.40
CIELCh	44, 26.804, 212.508
Yxy	13.7938, 0.2167, 0.3001
Android (android.graphics.Color)	4278219647 (0xFF00737F)
YUV	81.9830, 22.1934, -71.8991
Hunter-Lab	37.1400, -17.1187, -9.4676

Details

The XYZ color **9.9615, 13.7938, 22.2161** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.8842, 4.7754, 0.4539**, and the grayscale version is **7.9851, 8.4009, 9.1486**.

A 20% lighter version of the original color is **25.3652, 32.6382, 48.1429**, and **3.3234, 4.4465, 7.8908** is the 20% darker color. If you saturate the color by 10%, you get **9.9616, 13.7939, 22.2164**, and if you desaturate by 10%, it is **10.2613, 14.1531, 22.2699**.

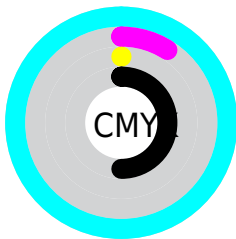
Distribution



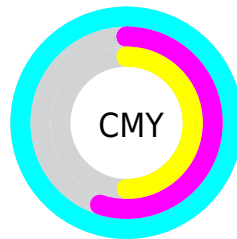
- Red (0%)
- Green (45%)
- Blue (50%)



- Red (0%)
- Yellow (24%)
- Blue (50%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (50%)



- Cyan (100%)
- Magenta (55%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9615, 13.7938, 22.2161 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 9.9615, 13.7938, 22.2161 by changing the saturation by 10% instead.

■ 9.9615, 13.7938,
22.2161

■ 9.9615, 13.7938,
22.2161

■ 184.4564,
215.9443, 276.6630

■ 5.4355, 7.9774,
13.8159

■ 25.3734, 32.7227,
48.0097

■ 2.5423, 4.0805,
7.8555

■ 36.9900, 46.6040,
66.2402

■ 0.9167, 1.7187,
3.9162

■ 51.7009, 63.9424,
88.5845

■ 0.0000, 0.4357,
1.5795

■ 69.8713, 85.1222,
115.4612

■ 0.0000, 0.0000,
0.2761

■ 91.8668, 110.5279,
147.2889

■ 0.0000, 0.0000,
0.0000

■ 118.0525,

140.5439, 184.4861

148.7940,
175.5546, 227.4712

■ 9.9615, 13.7938,
22.2161

■ 9.9615, 13.7938,
22.2161

■ 9.9616, 13.7939,
22.2164

■ 10.2613, 14.1531,
22.2699

■ 10.6502, 14.5607,
22.3281

■ 11.1839, 15.0457,
22.3936

■ 11.8794, 15.6167,
22.4671

■ 12.7514, 16.2814,
22.5495

■ 13.8128, 17.0464,
22.6412

■ 15.0755, 17.9179,
22.7429

■ 16.5502, 18.9014,
22.8550

■ 18.2470, 20.0021,
22.9780

Harmonies

Analogous

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



9.4417, 13.7938, 15.5363



9.9615, 13.7938, 22.2161



11.3156, 13.7938, 27.9548

Triad

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



9.9615, 13.7938, 22.2161



17.0740, 13.7938, 21.0860



12.9329, 13.7938, 6.1075

Complementary

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



9.9615, 13.7938, 22.2161



8.8842, 4.7754, 0.4539

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.



15.0861, 13.7938, 6.8543



9.9615, 13.7938, 22.2161



17.6247, 13.7938, 14.5135

Square

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



9.9615, 13.7938, 22.2161



15.4282, 13.7938, 27.1882



16.8619, 13.7938, 9.5731



11.0375, 13.7938, 7.1618

Rectangle

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



9.9615, 13.7938, 22.2161



12.5856, 13.7938, 29.8418



16.8619, 13.7938, 9.5731



13.6499, 13.7938, 6.1562

Sweetspot

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



9.9619, 13.7943, 22.2164



26.8197, 31.9665, 40.7129



7.6478, 15.2023, 2.8358



6.0836, 7.3504, 9.5165



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



9.9619, 13.7943, 22.2164



17.7804, 24.5849, 39.7645



5.1007, 4.0719, 20.5960



4.4128, 4.8196, 5.5110



10.0459, 13.9103, 22.4054



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.8473, 5.7503, 16.7057



21.1857, 10.2848, 29.7600



11.2074, 9.4217, 1.2283



4.4812, 4.4056, 5.3385



11.9477, 5.7988, 16.8461



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.9615, 13.7938, 22.2161 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 9.9615, 13.7938, 22.2161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

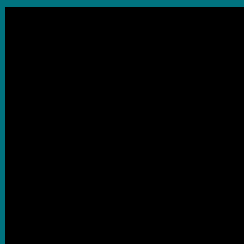
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.9615, 13.7938, 22.2161

Background



This preview shows how black text looks on a background with the XYZ color 9.9615, 13.7938, 22.2161.

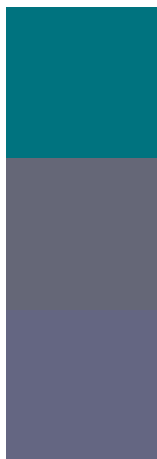


This preview shows how white text looks on a background with the XYZ color 9.9615, 13.7938,

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

9.9615, 13.7938, 22.2161

Protanopia

13.5468, 13.7991, 19.4023

Deuteranopia

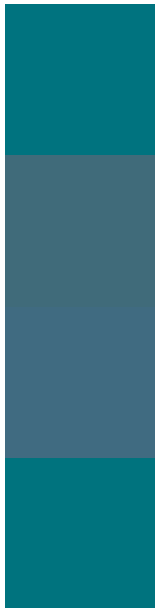
14.0362, 13.8238, 23.0476



Tritanopia

9.8324, 13.7421, 21.5363

Trichromacy



Original Color

9.9615, 13.7938, 22.2161

Protanomaly

10.8849, 13.0105, 20.3499

Deuteranomaly

11.3345, 13.1904, 22.7175

Tritanomaly

9.8966, 13.7678, 21.8745

Monochromacy



Original Color

9.9615, 13.7938, 22.2161

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

7.6235, 9.6173, 13.0098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9615, 13.7938, 22.2161 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, 115, 127)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 127)  
}
```

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, 115, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 127) }
```

Border

The CSS property to change the border of an element to XYZ 9.9615, 13.7938, 22.2161 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, 115, 127) }
```


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

```
.border{ border-color:rgb(0, 115, 127) }
```

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

Here you see how a box with a 4 pixel rgb(0, 115, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 127);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9615, 13.7938, 22.2161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 127) }
```

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

```
.background{ background-color: rgb(0, 115,  
127) }
```

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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