

Converting Colors

XYZ(7.8038, 10.0229, 19.8203)

Have a look what the booklet for
XYZ(7.8038, 10.0229, 19.8203)
contains.

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Color

**XYZ(7.7875, 9.9545,
19.9233)**

Conversions

Conversions Part 1

Format	Color
Hex	00617A
RGB	0, 97, 122
RGB Percent	0%, 38%, 48%
CMY	1.0000, 0.6196, 0.5216
CMYK	1.00, 0.20, 0.00, 0.52
HSL	192°, 100%, 24%
HSV	192°, 100%, 48%
XYZ	7.7875, 9.9545, 19.9233
YIQ	70.8470, -65.8370, -12.7890

Conversions

Conversions Part 2

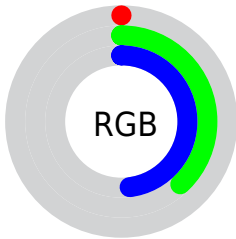
Format	Color
RYB	0, 54, 122
Decimal	24954
CIELab	37.76, -14.56, -20.85
CIELCh	38, 25.434, 235.073
Yxy	9.9545, 0.2068, 0.2643
Android (android.graphics.Color)	4278215034 (0xFF00617A)
YUV	70.8470, 25.2184, -62.1328
Hunter-Lab	31.5508, -11.1556, -15.3542

Details

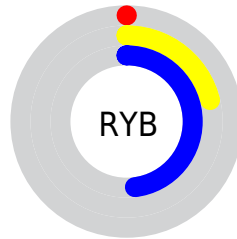
The XYZ color **7.7875, 9.9545, 19.9233** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.3741, 4.8334, 0.4919**, and the grayscale version is **5.9308, 6.2397, 6.7950**.

A 20% lighter version of the original color is **21.3083, 25.8115, 44.4165**, and **2.3432, 2.7622, 6.7130** is the 20% darker color. If you saturate the color by 10%, you get **7.7875, 9.9543, 19.9235**, and if you desaturate by 10%, it is **8.1770, 10.5038, 20.0090**.

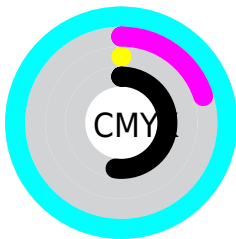
Distribution



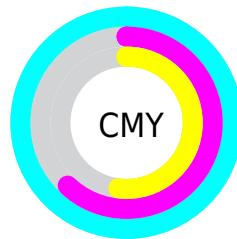
- Red (0%)
- Green (38%)
- Blue (48%)



- Red (0%)
- Yellow (21%)
- Blue (48%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (52%)



- Cyan (100%)
- Magenta (62%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.7875, 9.9545, 19.9233 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 7.7875, 9.9545, 19.9233 by changing the saturation by 10% instead.

■ 7.7875, 9.9545,
19.9233

■ 7.7875, 9.9545,
19.9233

■ 168.4618,
190.3470, 264.0901

■ 4.0099, 5.3688,
12.1558

■ 21.2302, 25.7099,
44.1458

■ 1.7078, 2.4652,
6.7260

■ 31.6261, 37.6484,
61.4379

■ 0.4611, 0.8592,
3.2155

■ 44.9588, 52.8066,
82.7420

■ 0.0000, 0.0000,
1.2057

■ 61.5936, 71.5688,
108.4765

■ 0.0000, 0.0000,
0.0000

■ 81.8960, 94.3196,
139.0600

■ 106.2312,

121.4433, 174.9111

134.9647,
153.3243, 216.4483

7.7875, 9.9545,
19.9233

7.7875, 9.9545,
19.9233

7.7875, 9.9543,
19.9235

8.1770, 10.5038,
20.0090

8.6510, 11.1075,
20.1005

9.2630, 11.7933,
20.2007

10.0284, 12.5692,
20.3101

10.9605, 13.4424,
20.4295

■ 12.0711, 14.4188,
20.5594

■ 13.3709, 15.5041,
20.7004

■ 14.8697, 16.7035,
20.8529

■ 16.5768, 18.0218,
21.0174

Harmonies

Analogous

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



6.9108, 9.9545, 15.0766



7.7875, 9.9545, 19.9233



9.1964, 9.9545, 22.3799

Triad

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



7.7875, 9.9545, 19.9233



12.9172, 9.9545, 11.6233



8.2017, 9.9545, 4.5993

Complementary

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



7.7875, 9.9545, 19.9233



8.3741, 4.8334, 0.4919

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.



9.7316, 9.9545, 4.1581



7.7875, 9.9545, 19.9233



12.5732, 9.9545, 7.4803

Square

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



7.7875, 9.9545, 19.9233



12.2525, 9.9545, 16.7917



11.3596, 9.9545, 5.0458



7.1301, 9.9545, 6.4909

Rectangle

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



7.7875, 9.9545, 19.9233



10.2950, 9.9545, 21.9386



11.3596, 9.9545, 5.0458



8.6742, 9.9545, 4.3044

Sweetspot

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



7.7878, 9.9548, 19.9235



23.3439, 27.1295, 36.3991



7.1289, 13.9869, 3.2107



5.1548, 6.0523, 8.3032



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



7.7878, 9.9548, 19.9235



13.6028, 17.3173, 35.0185



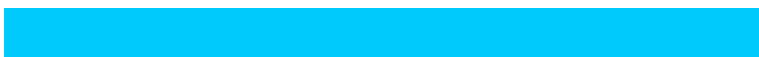
4.1625, 2.7041, 18.7151



4.0407, 4.3796, 5.0756



8.1930, 10.4684, 20.9741



38.4624, 48.6974, 99.8421

Inverse Universe

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



10.1840, 5.0010, 11.7381



17.8668, 8.7779, 20.3901



11.3066, 10.6984, 1.4694



4.1210, 4.0641, 4.8347



10.7188, 5.2637, 12.3418



50.8172, 24.9832, 57.2266

Previews

White Background



This preview shows how the XYZ color 7.7875, 9.9545, 19.9233 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 ✓ Pass

Black Background



This preview shows how the XYZ color 7.7875, 9.9545, 19.9233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

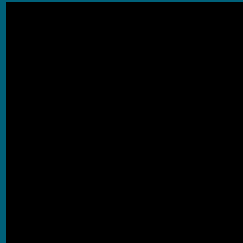
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.7875, 9.9545, 19.9233

Background



This preview shows how black text looks on a background with the XYZ color 7.7875, 9.9545, 19.9233.

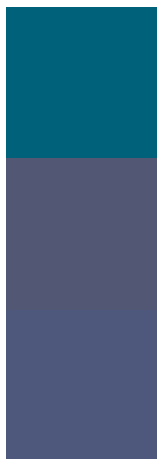


This preview shows how white text looks on a background with the XYZ color 7.7875, 9.9545,

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

7.7875, 9.9545, 19.9233

Protanopia

10.0639, 10.0111, 17.6216

Deuteranopia

10.1884, 10.0125, 20.4644



Tritanopia

7.1157, 9.9852, 15.4622

Trichromacy



Original Color

7.7875, 9.9545, 19.9233

Protanomaly

8.4273, 9.5202, 18.5330

Deuteranomaly

8.5829, 9.5652, 20.1328

Tritanomaly

7.2923, 9.9052, 16.8568

Monochromacy



Original Color

7.7875, 9.9545, 19.9233

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

5.7963, 7.0334, 10.7249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7875, 9.9545, 19.9233 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, 97, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 97, 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, 97, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 97, 122) }
```

Border

The CSS property to change the border of an element to XYZ 7.7875, 9.9545, 19.9233 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, 97, 122) }
```


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

```
.border{ border-color:rgb(0, 97, 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, 97, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 97, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 97, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 97, 122)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.7875, 9.9545, 19.9233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 97, 122) }
```

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

```
.background{ background-color: rgb(0, 97,  
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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