

Converting Colors

XYZ(7.9056, 10.6199, 22.4350)

Have a look what the booklet for
XYZ(7.9056, 10.6199, 22.4350)
contains.

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Color

**XYZ(8.7138, 11.0877,
22.4498)**

Conversions

Conversions Part 1

Format	Color
Hex	006681
RGB	0, 102, 129
RGB Percent	0%, 40%, 51%
CMY	0.9999, 0.6000, 0.4941
CMYK	1.00, 0.21, 0.00, 0.49
HSL	193°, 100%, 25%
HSV	193°, 100%, 51%
XYZ	8.7138, 11.0877, 22.4498
YIQ	74.5800, -69.4590, -13.2270

Conversions

Conversions Part 2

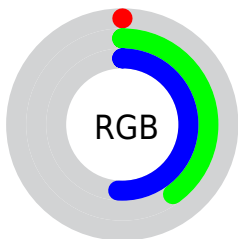
Format	Color
RYB	0, 57, 129
Decimal	26241
CIELab	39.73, -14.75, -22.07
CIELCh	40, 26.547, 236.244
Yxy	11.0877, 0.2062, 0.2624
Android (android.graphics.Color)	4278216321 (0xFF006681)
YUV	74.5800, 26.8291, -65.4067
Hunter-Lab	33.2982, -11.5602, -16.6649

Details

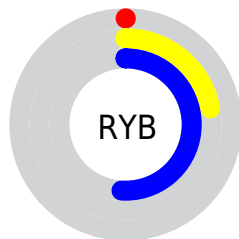
The XYZ color **8.7138, 11.0877, 22.4498** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **9.4457, 5.4518, 0.5549**, and the grayscale version is **6.5757, 6.9181, 7.5338**.

A 20% lighter version of the original color is **22.9766, 27.7796, 48.4070**, and **2.8142, 3.3116, 8.0803** is the 20% darker color. If you saturate the color by 10%, you get **8.7137, 11.0874, 22.4500**, and if you desaturate by 10%, it is **9.1485, 11.7124, 22.5477**.

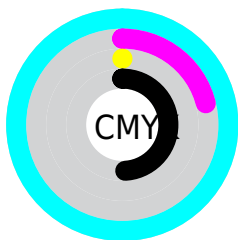
Distribution



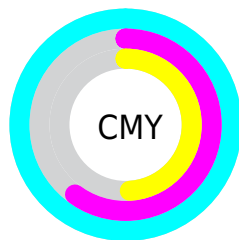
- Red (0%)
- Green (40%)
- Blue (51%)



- Red (0%)
- Yellow (22%)
- Blue (51%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (60%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7138, 11.0877, 22.4498 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 8.7138, 11.0877, 22.4498 by changing the saturation by 10% instead.

8.7138, 11.0877,
22.4498

8.7138, 11.0877,
22.4498

175.4809,
198.2682, 277.9161

4.6106, 6.1259,
13.9863

23.0186, 27.8222,
48.4000

2.0530, 2.9218,
7.9725

33.9509, 40.3637,
66.7238

0.6635, 1.0910,
3.9898

47.8903, 56.2005,
89.1714

0.0000, 0.0000,
1.6198

65.2022, 75.7170,
116.1614

0.0000, 0.0000,
0.3049

86.2518, 99.2977,
148.1123

0.0000, 0.0000,
0.0000

111.4045,

127.3268, 185.4427

141.0258,
160.1889, 228.5711

■ 8.7138, 11.0877,
22.4498

■ 8.7138, 11.0877,
22.4498

■ 8.7137, 11.0874,
22.4500

■ 9.1485, 11.7124,
22.5477

■ 9.6835, 12.4016,
22.6525

■ 10.3754, 13.1847,
22.7672

■ 11.2421, 14.0711,
22.8926

■ 12.2987, 15.0688,
23.0295

■ 13.5591, 16.1848,
23.1785

■ 15.0353, 17.4257,
23.3402

■ 16.7388, 18.7974,
23.5152

■ 18.6801, 20.3054,
23.7039

Harmonies

Analogous

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



7.7050, 11.0877, 17.0601



8.7138, 11.0877, 22.4498



10.3113, 11.0877, 25.0638

Triad

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



8.7138, 11.0877, 22.4498



14.4237, 11.0877, 12.7401



9.0678, 11.0877, 5.1378

Complementary

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



8.7138, 11.0877, 22.4498



9.4457, 5.4518, 0.5549

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.



10.7691, 11.0877, 4.5873



8.7138, 11.0877, 22.4498



13.9933, 11.0877, 8.1663

Square

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



8.7138, 11.0877, 22.4498



13.7186, 11.0877, 18.5303



12.6017, 11.0877, 5.5177



7.8923, 11.0877, 7.3222

Rectangle

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



8.7138, 11.0877, 22.4498



11.5464, 11.0877, 24.4537



12.6017, 11.0877, 5.5177



9.5911, 11.0877, 4.7885

Sweetspot

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



8.7142, 11.0881, 22.4501



26.7224, 31.0388, 41.7752



8.0349, 15.7746, 3.5876



5.8305, 6.8444, 9.4321



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.



8.7142, 11.0881, 22.4501



15.4931, 19.6329, 40.1654



4.6787, 3.0172, 21.1049



4.3724, 4.7389, 5.4975



8.4988, 10.8162, 21.8897



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.4519, 5.6268, 13.0532



20.4510, 10.0532, 23.0787



12.7354, 12.0311, 1.6514



4.4608, 4.3975, 5.2311



11.1668, 5.4864, 12.7340



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 8.7138, 11.0877, 22.4498 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 8.7138, 11.0877, 22.4498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

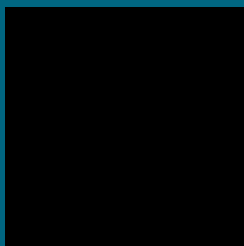
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.7138, 11.0877, 22.4498

Background



This preview shows how black text looks on a background with the XYZ color 8.7138, 11.0877, 22.4498.

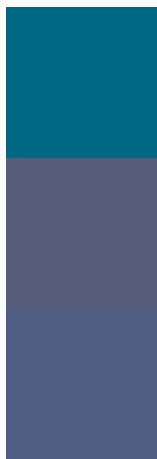


This preview shows how white text looks on a background with the XYZ color 8.7138, 11.0877,

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

8.7138, 11.0877, 22.4498

Protanopia

11.1777, 11.0379, 19.9537

Deuteranopia

11.3194, 11.1729, 23.0327



Tritanopia

7.8749, 11.0705, 17.0510

Trichromacy



Original Color

8.7138, 11.0877, 22.4498

Protanomaly

9.4601, 10.6586, 20.9608

Deuteranomaly

9.5774, 10.6813, 22.6760

Tritanomaly

8.1203, 11.0085, 18.8364

Monochromacy



Original Color

8.7138, 11.0877, 22.4498

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

6.5330, 7.9516, 12.0170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7138, 11.0877, 22.4498 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, 102, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 129)  
}
```

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, 102, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 129) }
```

Border

The CSS property to change the border of an element to XYZ 8.7138, 11.0877, 22.4498 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, 102, 129) }
```


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

```
.border{ border-color:rgb(0, 102, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7138, 11.0877, 22.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 129) }
```

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

```
.background{ background-color: rgb(0, 102,  
129) }
```

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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