

Converting Colors

XYZ(2.6979, 8.9413, 27.1443)

Have a look what the booklet for
XYZ(2.6979, 8.9413, 27.1443)
contains.

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Color

**XYZ(10.3511, 12.8903,
27.5337)**

Conversions

Conversions Part 1

Format	Color
Hex	006D8E
RGB	0, 109, 142
RGB Percent	0%, 43%, 56%
CMY	0.9999, 0.5725, 0.4431
CMYK	1.00, 0.23, 0.00, 0.44
HSL	194°, 100%, 28%
HSV	194°, 100%, 56%
XYZ	10.3511, 12.8903, 27.5337
YIQ	80.1710, -75.5570, -12.8450

Conversions

Conversions Part 2

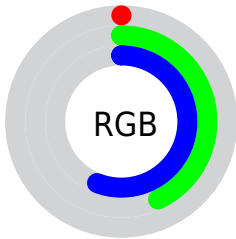
Format	Color
RYB	0, 62, 142
Decimal	28046
CIELab	42.60, -13.80, -25.44
CIELCh	43, 28.945, 241.522
Yxy	12.8903, 0.2039, 0.2539
Android (android.graphics.Color)	4278218126 (0xFF006D8E)
YUV	80.1710, 30.4817, -70.3100
Hunter-Lab	35.9031, -11.3676, -20.3368

Details

The XYZ color **10.3511, 12.8903, 27.5337** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **11.6998, 6.8395, 0.7040**, and the grayscale version is **7.6124, 8.0089, 8.7217**.

A 20% lighter version of the original color is **26.1883, 31.2691, 56.8798**, and **3.6005, 4.1102, 10.7288** is the 20% darker color. If you saturate the color by 10%, you get **10.3509, 12.8898, 27.5339**, and if you desaturate by 10%, it is **10.8946, 13.7032, 27.6622**.

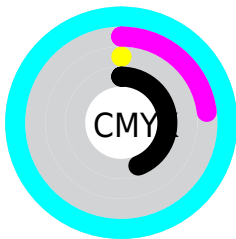
Distribution



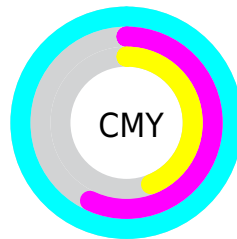
- Red (0%)
- Green (43%)
- Blue (56%)



- Red (0%)
- Yellow (24%)
- Blue (56%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (57%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3511, 12.8903, 27.5337 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 10.3511, 12.8903, 27.5337 by changing the saturation by 10% instead.

■ 10.3511, 12.8903,
27.5337

■ 10.3511, 12.8903,
27.5337

187.1616,
210.2134, 304.0735

■ 5.6964, 7.3530,
17.7385

■ 26.0975, 31.1066,
56.7532

■ 2.7003, 3.6839,
10.5949

■ 37.9200, 44.5544,
77.0146

■ 0.9973, 1.4983,
5.6844

■ 52.8625, 61.4078,
101.6018

■ 0.0000, 0.2876,
2.5885

■ 71.2902, 82.0513,
130.9333

■ 0.0000, 0.0000,
0.8865

■ 93.5687, 106.8692,
165.4277

■ 0.0000, 0.0000,
0.0000

■ 120.0631,

136.2459, 205.5035

151.1390,
170.5659, 251.5792

■ 10.3511, 12.8903,
27.5337

■ 10.3511, 12.8903,
27.5337

■ 10.3509, 12.8898,
27.5339

■ 10.8946, 13.7032,
27.6622

■ 11.5725, 14.6051,
27.8006

■ 12.4480, 15.6288,
27.9520

■ 13.5439, 16.7864,
28.1177

■ 14.8798, 18.0882,
28.2986

■ 16.4730, 19.5432,
28.4955

■ 18.3391, 21.1599,
28.7091

■ 20.4927, 22.9457,
28.9403

■ 22.9470, 24.9077,
29.1897

Harmonies

Analogous

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



9.0005, 12.8903, 21.3343



10.3511, 12.8903, 27.5337



12.3640, 12.8903, 29.8781

Triad

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



10.3511, 12.8903, 27.5337



16.9634, 12.8903, 13.7174



10.1789, 12.8903, 6.0589

Complementary

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



10.3511, 12.8903, 27.5337



11.6998, 6.8395, 0.7040

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.



12.1403, 12.8903, 5.1002



10.3511, 12.8903, 27.5337



16.2047, 12.8903, 8.6259

Square

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



10.3511, 12.8903, 27.5337



16.3399, 12.8903, 20.6091



14.3721, 12.8903, 5.8778



8.9098, 12.8903, 9.0332

Rectangle

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



10.3511, 12.8903, 27.5337



13.8630, 12.8903, 28.5146



14.3721, 12.8903, 5.8778



10.7706, 12.8903, 5.5383

Sweetspot

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



10.3516, 12.8907, 27.5340



32.1153, 37.1234, 50.6007



9.9177, 19.4441, 4.5115



6.8916, 8.0506, 11.2701



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



10.3516, 12.8907, 27.5340



18.1242, 22.4727, 48.5103



5.6498, 3.4873, 25.9668



5.4555, 5.9067, 6.8813



9.3079, 11.6017, 24.7259



0.1056, 0.1442, 0.2419

Inverse Universe

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



13.9160, 6.8554, 15.0582



24.4739, 12.0620, 26.2098



15.8845, 15.2088, 2.0989



5.5734, 5.4899, 6.5174



12.5013, 6.1575, 13.5570



0.1279, 0.0622, 0.1739

Previews

White Background



This preview shows how the XYZ color 10.3511, 12.8903, 27.5337 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 10.3511, 12.8903, 27.5337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

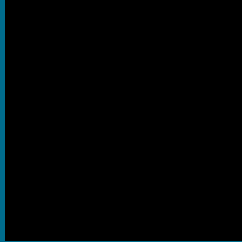
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3511, 12.8903, 27.5337

Background



This preview shows how black text looks on a background with the XYZ color 10.3511, 12.8903, 27.5337.

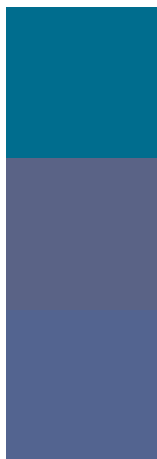


This preview shows how white text looks on a background with the XYZ color 10.3511, 12.8903,

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

10.3511, 12.8903, 27.5337

Protanopia

12.9814, 12.8186, 24.3443

Deuteranopia

13.1585, 12.9670, 28.1949



Tritanopia

9.1843, 12.9444, 19.7838

Trichromacy



Original Color

10.3511, 12.8903, 27.5337

Protanomaly

11.0529, 12.3765, 25.4733

Deuteranomaly

11.2764, 12.4405, 27.7935

Tritanomaly

9.5807, 12.9274, 22.4124

Monochromacy



Original Color

10.3511, 12.8903, 27.5337

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

7.5545, 9.1653, 14.2029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3511, 12.8903, 27.5337 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, 109, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 142)  
}
```

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, 109, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 142) }
```

Border

The CSS property to change the border of an element to XYZ 10.3511, 12.8903, 27.5337 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, 109, 142) }
```


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

```
.border{ border-color:rgb(0, 109, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 109, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 109, 142); box-shadow:4px 4px 4px 4px rgb(0, 109, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3511, 12.8903, 27.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 142) }
```

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

```
.background{ background-color: rgb(0, 109,  
142) }
```

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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