

Converting Colors

XYZ(4.9950, 9.3511, 28.6627)

Have a look what the booklet for
XYZ(4.9950, 9.3511, 28.6627)
contains.

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Color

**XYZ(10.1386, 11.9760,
28.9714)**

Conversions

Conversions Part 1

Format	Color
Hex	006892
RGB	0, 104, 146
RGB Percent	0%, 41%, 57%
CMY	0.9999, 0.5922, 0.4274
CMYK	1.00, 0.29, 0.00, 0.43
HSL	197°, 100%, 29%
HSV	197°, 100%, 57%
XYZ	10.1386, 11.9760, 28.9714
YIQ	77.6920, -75.4660, -8.9860

Conversions

Conversions Part 2

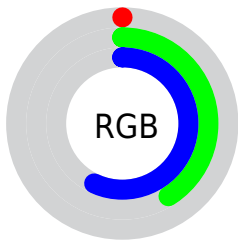
Format	Color
R _{YB}	0, 61, 146
Decimal	26770
CIE _{Lab}	41.18, -9.33, -30.05
CIE _{LCh}	41, 31.469, 252.756
Yxy	11.9760, 0.1985, 0.2344
Android (android.graphics.Color)	4278216850 (0xFF006892)
YUV	77.6920, 33.6758, -68.1359
Hunter-Lab	34.6064, -8.2661, -25.4114

Details

The XYZ color **10.1386, 11.9760, 28.9714** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.6828, 7.7681, 0.8314**, and the grayscale version is **7.1335, 7.5050, 8.1729**.

A 20% lighter version of the original color is **25.7140, 29.4518, 58.9731**, and **3.5287, 3.7525, 11.3648** is the 20% darker color. If you saturate the color by 10%, you get **10.1384, 11.9753, 28.9715**, and if you desaturate by 10%, it is **10.7631, 12.9415, 29.1251**.

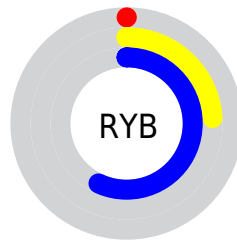
Distribution



Red (0%)

Green (41%)

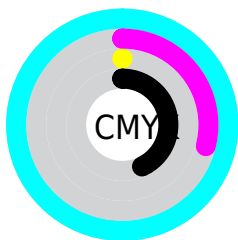
Blue (57%)



Red (0%)

Yellow (24%)

Blue (57%)

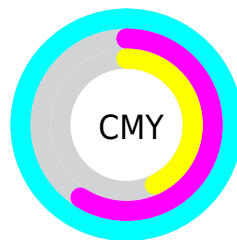


Cyan (100%)

Magenta (29%)

Yellow (0%)

Black (43%)



Cyan (100%)

Magenta (59%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1386, 11.9760, 28.9714 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 10.1386, 11.9760, 28.9714 by changing the saturation by 10% instead.

10.1386, 11.9760,
28.9714

10.1386, 11.9760,
28.9714

185.6915,
204.2463, 311.1367

5.5539, 6.7273,
18.8138

25.7032, 29.4514,
59.0733

2.6138, 3.2922,
11.3604

37.4138, 42.4469,
79.8546

0.9530, 1.2861,
6.1926

52.2304, 58.7935,
105.0143

0.0000, 0.1304,
2.8918

70.5185, 78.8755,
134.9709

0.0000, 0.0000,
1.0397

92.6432, 103.0775,
170.1429

0.0000, 0.0000,
0.0000

118.9701,

131.7836, 210.9488

149.8644,
165.3785, 257.8072

■ 10.1386, 11.9760,
28.9714

■ 10.1386, 11.9760,
28.9714

■ 10.1384, 11.9753,
28.9715

■ 10.7631, 12.9415,
29.1251

■ 11.5399, 14.0171,
29.2918

■ 12.5343, 15.2370,
29.4748

■ 13.7711, 16.6144,
29.6755

■ 15.2713, 18.1606,
29.8949

■ 17.0538, 19.8857,
30.1339

■ 19.1355, 21.7988,
30.3935

■ 21.5318, 23.9083,
30.6743

■ 24.2572, 26.2221,
30.9773

Harmonies

Analogous

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



8.4721, 11.9760, 23.4872



10.1386, 11.9760, 28.9714



12.3730, 11.9760, 29.4044

Triad

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



10.1386, 11.9760, 28.9714



16.1871, 11.9760, 10.4723



8.6719, 11.9760, 5.8521

Complementary

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



10.1386, 11.9760, 28.9714



12.6828, 7.7681, 0.8314

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.



10.4469, 11.9760, 4.2589



10.1386, 11.9760, 28.9714



14.8939, 11.9760, 6.2667

Square

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



10.1386, 11.9760, 28.9714



16.0756, 11.9760, 17.1029



12.7249, 11.9760, 4.3800



7.7057, 11.9760, 9.6773

Rectangle

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



10.1386, 11.9760, 28.9714



13.9088, 11.9760, 26.6130



12.7249, 11.9760, 4.3800



9.1829, 11.9760, 5.1051

Sweetspot

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



10.1390, 11.9764, 28.9717



33.5139, 38.2366, 53.5876



10.6861, 20.7208, 5.5689



7.1383, 8.2179, 11.8822



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.1390, 11.9764, 28.9717



17.7349, 20.8253, 51.0585



5.6956, 3.0895, 27.4906



5.8246, 6.2832, 7.3755



8.9413, 10.5774, 25.5014



0.1347, 0.1801, 0.3206

Inverse Universe

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



14.3531, 7.1109, 13.7132



25.2438, 12.5132, 23.7899



17.9135, 18.2295, 2.5750



5.9649, 5.8810, 6.9213



12.6402, 6.2612, 12.1184



0.1675, 0.0817, 0.2156

Previews

White Background



This preview shows how the XYZ color 10.1386, 11.9760, 28.9714 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 10.1386, 11.9760, 28.9714 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 10.1386, 11.9760, 28.9714

Background



This preview shows how black text looks on a background with the XYZ color 10.1386, 11.9760, 28.9714.

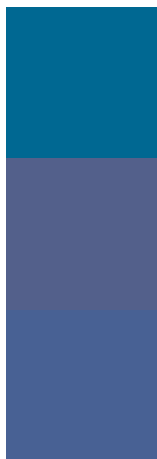


This preview shows how white text looks on a background with the XYZ color 10.1386, 11.9760,

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

10.1386, 11.9760, 28.9714

Protanopia

12.4104, 12.0688, 26.1015

Deuteranopia

12.2925, 12.0652, 29.6979



Tritanopia

8.5149, 11.9861, 18.3878

Trichromacy



Original Color

10.1386, 11.9760, 28.9714

Protanomaly

10.8125, 11.6336, 27.2668

Deuteranomaly

10.9503, 11.8018, 29.3046

Tritanomaly

9.0885, 12.0477, 21.9251

Monochromacy



Original Color

10.1386, 11.9760, 28.9714

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

7.1718, 8.4738, 14.0896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1386, 11.9760, 28.9714 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, 104, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 146)  
}
```

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, 104, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 146) }
```

Border

The CSS property to change the border of an element to XYZ 10.1386, 11.9760, 28.9714 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, 104, 146) }
```


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

```
.border{ border-color:rgb(0, 104, 146) }
```

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

Here you see how a box with a 4 pixel rgb(0, 104, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1386, 11.9760, 28.9714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 146) }
```

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

```
.background{ background-color: rgb(0, 104,  
146) }
```

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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