

Converting Colors

XYZ(10.3387, 12.1375, 29.7734)

Have a look what the booklet for
XYZ(10.3387, 12.1375, 29.7734)
contains.

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Color

**XYZ(10.3969, 12.2413,
29.8318)**

Conversions

Conversions Part 1

Format	Color
Hex	006994
RGB	0, 105, 148
RGB Percent	0%, 41%, 58%
CMY	0.9999, 0.5882, 0.4196
CMYK	1.00, 0.29, 0.00, 0.42
HSL	197°, 100%, 29%
HSV	197°, 100%, 58%
XYZ	10.3969, 12.2413, 29.8318
YIQ	78.5070, -76.3830, -8.8870

Conversions

Conversions Part 2

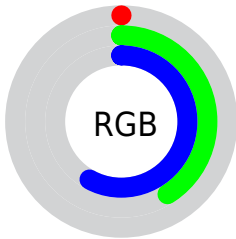
Format	Color
RYB	0, 61, 148
Decimal	27028
CIELab	41.60, -9.14, -30.59
CIELCh	42, 31.929, 253.369
Yxy	12.2413, 0.1981, 0.2333
Android (android.graphics.Color)	4278217108 (0xFF006994)
YUV	78.5070, 34.2600, -68.8506
Hunter-Lab	34.9876, -8.1852, -26.0617

Details

The XYZ color **10.3969, 12.2413, 29.8318** is a dark color, and the websafe version is hex **006699**, and the color name is **sea blue**. A complement of this color would be **13.0777, 8.0255, 0.8605**, and the grayscale version is **7.2865, 7.6659, 8.3482**.

A 20% lighter version of the original color is **26.1164, 29.8802, 60.2681**, and **3.6707, 3.8892, 11.8665** is the 20% darker color. If you saturate the color by 10%, you get **10.3963, 12.2401, 29.8319**, and if you desaturate by 10%, it is **11.0404, 13.2400, 29.9909**.

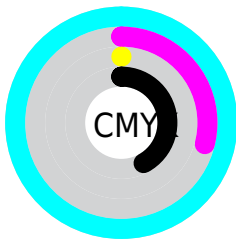
Distribution



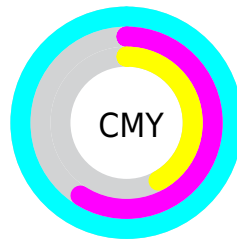
- Red (0%)
- Green (41%)
- Blue (58%)



- Red (0%)
- Yellow (24%)
- Blue (58%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (59%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3969, 12.2413, 29.8318 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 10.3969, 12.2413, 29.8318 by changing the saturation by 10% instead.

■ 10.3969, 12.2413,
29.8318

■ 10.3969, 12.2413,
29.8318

187.4769,
205.9963, 315.3025

■ 5.7272, 6.9082,
19.4600

■ 26.1824, 29.9338,
60.4539

■ 2.7190, 3.4048,
11.8230

■ 38.0288, 43.0621,
81.5413

■ 1.0070, 1.3465,
6.5022

■ 52.9982, 59.5575,
107.0377

■ 0.0000, 0.1768,
3.0791

■ 71.4559, 79.8045,
137.3615

■ 0.0000, 0.0000,
1.1352

■ 93.7672, 104.1875,
172.9314

■ 0.0000, 0.0000,
0.0000

■ 120.2976,

133.0909, 214.1658

151.4124,
166.8990, 261.4833

■ 10.3969, 12.2413,
29.8318

■ 10.3969, 12.2413,
29.8318

■ 10.3963, 12.2401,
29.8319

■ 11.0404, 13.2400,
29.9909

■ 11.8424, 14.3537,
30.1636

■ 12.8694, 15.6171,
30.3533

■ 14.1469, 17.0440,
30.5614

■ 15.6968, 18.6460,
30.7890

■ 17.5385, 20.4336,
31.0369

■ 19.6895, 22.4162,
31.3062

■ 22.1659, 24.6026,
31.5977

■ 24.9827, 27.0009,
31.9122

Harmonies

Analogous

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



8.6673, 12.2413, 24.2496



10.3969, 12.2413, 29.8318



12.7041, 12.2413, 30.1571

Triad

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



10.3969, 12.2413, 29.8318



16.5716, 12.2413, 10.5716



8.8166, 12.2413, 5.9971

Complementary

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



10.3969, 12.2413, 29.8318



13.0777, 8.0255, 0.8605

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.



10.6276, 12.2413, 4.3254



10.3969, 12.2413, 29.8318



15.2129, 12.2413, 6.3061

Square

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



10.3969, 12.2413, 29.8318



16.4880, 12.2413, 17.3572



12.9677, 12.2413, 4.4155



7.8420, 12.2413, 9.9773

Rectangle

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



10.3969, 12.2413, 29.8318



14.2829, 12.2413, 27.2066



12.9677, 12.2413, 4.4155



9.3364, 12.2413, 5.2168

Sweetspot

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



10.3974, 12.2417, 29.8321



34.4910, 39.3265, 55.2075



11.0073, 21.3470, 5.7261



7.5297, 8.6640, 12.5603



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



10.3974, 12.2417, 29.8321



18.1901, 21.2898, 52.5852



5.8645, 3.1759, 28.3212



5.8232, 6.2804, 7.3751



8.9042, 10.5032, 25.4891



0.1344, 0.1794, 0.3205

Inverse Universe

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



14.7630, 7.3164, 13.9991



25.9697, 12.8772, 24.2889



18.4514, 18.7727, 2.6517



5.9642, 5.8807, 6.9177



12.6215, 6.2537, 12.0197



0.1673, 0.0817, 0.2147

Previews

White Background



This preview shows how the XYZ color 10.3969, 12.2413, 29.8318 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 10.3969, 12.2413, 29.8318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

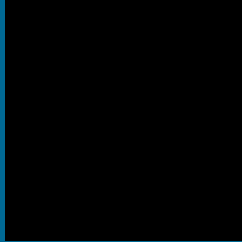
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3969, 12.2413, 29.8318

Background



This preview shows how black text looks on a background with the XYZ color 10.3969, 12.2413, 29.8318.

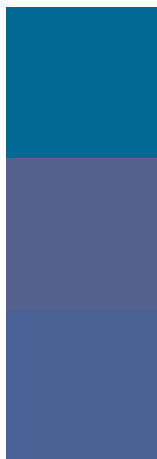


This preview shows how white text looks on a background with the XYZ color 10.3969, 12.2413,

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

10.3969, 12.2413, 29.8318

Protanopia

12.7386, 12.3573, 26.9131

Deuteranopia

12.6204, 12.3538, 30.5735



Tritanopia

8.6795, 12.2216, 18.7312

Trichromacy



Original Color

10.3969, 12.2413, 29.8318

Protanomaly

11.0594, 11.8848, 28.0967

Deuteranomaly

11.2052, 12.0581, 30.1706

Tritanomaly

9.2588, 12.2836, 22.3051

Monochromacy



Original Color

10.3969, 12.2413, 29.8318

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.3038, 8.6570, 14.3827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3969, 12.2413, 29.8318 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, 105, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 148)  
}
```

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, 105, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 148) }
```

Border

The CSS property to change the border of an element to XYZ 10.3969, 12.2413, 29.8318 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, 105, 148) }
```


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

```
.border{ border-color:rgb(0, 105, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 105, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3969, 12.2413, 29.8318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 148) }
```

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

```
.background{ background-color: rgb(0, 105,  
148) }
```

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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