

Converting Colors

XYZ(9.7775, 12.1194, 29.0244)

Have a look what the booklet for
XYZ(9.7775, 12.1194, 29.0244)
contains.

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Color

**XYZ(10.3423, 12.3834,
29.0393)**

Conversions

Conversions Part 1

Format	Color
Hex	006A92
RGB	0, 106, 146
RGB Percent	0%, 42%, 57%
CMY	0.9999, 0.5843, 0.4274
CMYK	1.00, 0.27, 0.00, 0.43
HSL	196°, 100%, 29%
HSV	196°, 100%, 57%
XYZ	10.3423, 12.3834, 29.0393
YIQ	78.8660, -76.0160, -10.0320

Conversions

Conversions Part 2

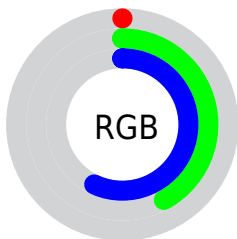
Format	Color
RYB	0, 61, 146
Decimal	27282
CIELab	41.82, -10.51, -29.05
CIELCh	42, 30.894, 250.102
Yxy	12.3834, 0.1998, 0.2392
Android (android.graphics.Color)	4278217362 (0xFF006A92)
YUV	78.8660, 33.0971, -69.1655
Hunter-Lab	35.1901, -9.1217, -24.2939

Details

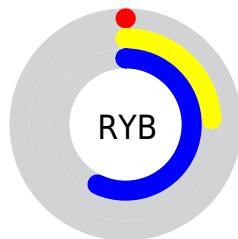
The XYZ color **10.3423, 12.3834, 29.0393** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.6136, 7.6297, 0.8083**, and the grayscale version is **7.3564, 7.7395, 8.4283**.

A 20% lighter version of the original color is **26.0496, 30.1231, 59.0850**, and **3.6295, 3.9542, 11.3984** is the 20% darker color. If you saturate the color by 10%, you get **10.3421, 12.3828, 29.0395**, and if you desaturate by 10%, it is **10.9553, 13.3260, 29.1892**.

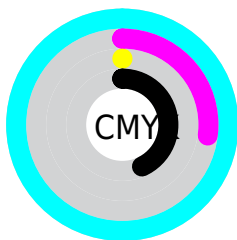
Distribution



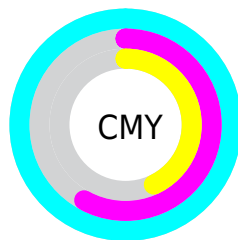
- Red (0%)
- Green (42%)
- Blue (57%)



- Red (0%)
- Yellow (24%)
- Blue (57%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (58%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3423, 12.3834, 29.0393 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 10.3423, 12.3834, 29.0393 by changing the saturation by 10% instead.

10.3423, 12.3834,
29.0393

10.3423, 12.3834,
29.0393

187.1010,
206.9272, 311.4671

5.6905, 7.0054,
18.8647

26.0812, 30.1915,
59.1824

2.6967, 3.4654,
11.3967

37.8991, 43.3903,
79.9881

0.9955, 1.3793,
6.2168

52.8364, 59.9649,
105.1745

0.0000, 0.2014,
2.9065

71.2584, 80.2995,
135.1602

0.0000, 0.0000,
1.0471

93.5305, 104.7787,
170.3638

0.0000, 0.0000,
0.0000

120.0180,

133.7868, 211.2038

151.0864,
167.7082, 258.0987

■ 10.3423, 12.3834,
29.0393

■ 10.3423, 12.3834,
29.0393

■ 10.3421, 12.3828,
29.0395

■ 10.9553, 13.3260,
29.1892

■ 11.7188, 14.3748,
29.3514

■ 12.6979, 15.5642,
29.5294

■ 13.9175, 16.9072,
29.7243

■ 15.3986, 18.4150,
29.9373

■ 17.1598, 20.0977,
30.1692

■ 19.2181, 21.9641,
30.4210

■ 21.5890, 24.0228,
30.6934

■ 24.2869, 26.2815,
30.9872

Harmonies

Analogous

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



8.7294, 12.3834, 23.2776



10.3423, 12.3834, 29.0393



12.5546, 12.3834, 29.9731

Triad

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



10.3423, 12.3834, 29.0393



16.6266, 12.3834, 11.4019



9.1697, 12.3834, 5.9882

Complementary

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



10.3423, 12.3834, 29.0393



12.6136, 7.6297, 0.8083

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.



11.0189, 12.3834, 4.5245



10.3423, 12.3834, 29.0393



15.4456, 12.3834, 6.9132

Square

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



10.3423, 12.3834, 29.0393



16.3842, 12.3834, 18.2157



13.3235, 12.3834, 4.7973



8.1154, 12.3834, 9.6512

Rectangle

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



10.3423, 12.3834, 29.0393



14.1047, 12.3834, 27.4960



13.3235, 12.3834, 4.7973



9.7084, 12.3834, 5.2862

Sweetspot

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



10.3428, 12.3838, 29.0396



33.6624, 38.5336, 53.6371



10.6445, 20.7042, 5.3500



7.1748, 8.2909, 11.8944



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.



10.3428, 12.3838, 29.0396



18.0980, 21.5515, 51.1795



5.7629, 3.2241, 27.5130



5.8311, 6.2962, 7.3777



9.1201, 10.9350, 25.5610



0.1363, 0.1831, 0.3211

Inverse Universe

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



14.4560, 7.1521, 14.2546



25.4270, 12.5865, 24.7550



17.6416, 17.6857, 2.4843



5.9682, 5.8823, 6.9387



12.7305, 6.2972, 12.5936



0.1682, 0.0820, 0.2196

Previews

White Background



This preview shows how the XYZ color 10.3423, 12.3834, 29.0393 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 10.3423, 12.3834, 29.0393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

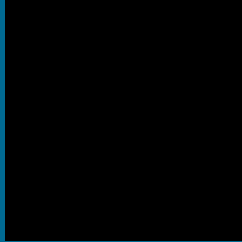
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3423, 12.3834, 29.0393

Background



This preview shows how black text looks on a background with the XYZ color 10.3423, 12.3834, 29.0393.



This preview shows how white text looks on a background with the XYZ color 10.3423, 12.3834,

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

10.3423, 12.3834, 29.0393

Protanopia

12.7726, 12.3919, 26.1448

Deuteranopia

12.6935, 12.4100, 29.7433



Tritanopia

8.8459, 12.4599, 19.0783

Trichromacy



Original Color

10.3423, 12.3834, 29.0393

Protanomaly

11.0152, 11.8796, 27.3036

Deuteranomaly

11.1391, 12.0423, 29.3411

Tritanomaly

9.3649, 12.4958, 22.3404

Monochromacy



Original Color

10.3423, 12.3834, 29.0393

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

7.3360, 8.8021, 14.1443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3423, 12.3834, 29.0393 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, 106, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 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, 106, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 146) }
```

Border

The CSS property to change the border of an element to XYZ 10.3423, 12.3834, 29.0393 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, 106, 146) }
```


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

```
.border{ border-color:rgb(0, 106, 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, 106, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3423, 12.3834, 29.0393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 146) }
```

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

```
.background{ background-color: rgb(0, 106,  
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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